

<400> 1511  
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tgggtgggtgg tctttccncc nccccctacc acccatgccc cccttctcag tctgcccctg 120  
gcctccagcc cctaggggac tagctgggtt ggggttcctc gggccttttc tctcctccct 180  
cttttctttc tgttgattgt cgctccagct ggctgtattg ctttttaata ttgcaccgaa 240  
gttttttaaa taaaattt 258

<210> 1512

<211> 223

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45)..(45)

<223> n=unknown

<220>

<221> misc\_feature

<222> (196)..(196)

<223> n=unknown

<400> 1512  
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cccgaggaac cccaaccag ctagtcccct aggggctgga ggccaggggc agactgagaa 120  
ggggggcatg ggtggtaggg gagggaggaa agaccacca caaaataaa caggcagatc 180  
caaacattta tacagngaaa catctggctg aacggaagag gat 223

<210> 1513

<211> 495

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (462)..(462)

<223> n=unknown

<400> 1513

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cctggaaaac tcatccagtg cttcttcggt gctcaactaa gaacaggata atccaaccta      120
cgtgacctcc cggggacagt ggctgtgctt ttaaaaagag atgcttgcaa agcaatgggg      180
aacgtgttct cggggcaggt ttccgggagc agatgccaaa aagacttttt catagagaag      240
aggcttttct ttgtaaagac agaataaaaa taattgttat gtttctgttt gttccctccc      300
cctccccctt gtgtgatacc acatgtgtat agtatttaag tgaaactcaa gccctcaagg      360
cccaacttct ctgtctatat tgtaatatag aatttcgaag agacattttc actttttaca      420
cattggggca caaagataag ctttgattaa agtagtaagt anaaggctac ctaggaaata      480
cttcagtgaa ttcta                                     495
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<210> 1514

<211> 343

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (101)..(151)

<223> n=unknown

<220>

<221> misc\_feature

<222> (254)..(268)

<223> n=unknown

<400> 1514  
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tctgcatttg gcaagaagcg cctcccaagg nccccccacc ctgcccaggg tgccccccag 180  
agggagcagg cctcccacag ctggagagag cccggccccc agaacacctt ccctagaaaa 240  
ccataaaaaac atanatcatt tgtcttcnaa ttcccacggc aaattccgca tttatgggca 300  
aaatgatata aaaatatgaa cctaacagaa cctttacaaa acc 343

<210> 1515

<211> 484

<212> DNA

<213> homo sapiens

<400> 1515  
tacgttgcag aattaggaac agtatttata tttatttaca caagacattg tgccatagca 60  
tcctagtaaa acaccttcat gaatgagtaa tggtatctcc cagaattaca ttaaaattat 120  
ttctaaaaag tagcaaagtc attacctttt gcttttaatg acccacacct caccagctcc 180  
tggtcttttc ttcactgttg cccttatttt gaggcaattt ttcttaaaat atgactttta 240  
tgcaccacat ttagtagagg cagtgcacac agtgatctca gtacccatca gctgtccccc 300  
tcctctgccc ttcttcatct cttctaacct tgtgaccatt tcccttaccg gttcatgttc 360  
tcctttatct ctgcttttct ttcttagcca ggatacttcc ctcacaactc tcaactccaa 420  
attcttttag atatacattt ttctgggata tgggctgctg aaatctgaag ctctgggtaa 480  
agtt 484

<210> 1516

<211> 561

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (315)..(315)

<223> n=unknown

<400> 1516

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tattttttct ttctaggatc aatcaacaca tagccaatag gtagttacag ctagaataat 120
tccaacagtt cctgttttaa cctgtcagat tgtctccaaa aggccatctt caaagtgcga 180
tctaagagag gaaagctgaa tattttcctt tctgcatcgg cactccacct ttctttactt 240
atgctcagct atcagagatg gctgtcacct tcaaagccta agtgagatcc aatttttgaa 300
ttcaacatga aacanggaca gatatactga tcctggggtg accagggtag atgtctgctt 360
tgcacctccc ctgttacctt tctcctgacc tccctctagc ttctttctga ccctctttcc 420
tagccaccac cccctctccc totgacacag ttcacaaaat attcaaaggg agcacctaac 480
aaacaagagg gaatttgcac aactgggttac ttaaaaccat acaaaccaaa atgttttggt 540
acttcattat ataggataaa c 561
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<210> 1517

<211> 477

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (288)..(288)

<223> n=unknown

<220>

<221> misc\_feature

<222> (406)..(470)

<223> n=unknown

<400> 1517

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atatcaagaa gtcttgaagt tgggtgtttc cagaattggt aaaaacagca gctcatagaa	120
ttttgagtat tccatgagct gctcattaca gttctttcct ctttctgctc tgccatcttc	180
aggatattgg ttcttccct catagtaata agatggctgt ggcatttcca aacatccaaa	240
aaaagggaag gatttaagga ggtgaagtcg ggtcaaaaat aaaatatnta tacatatata	300
cattgcttag aacgttaaac tattagagta tttcccttcc aaagagggat gtttggaana	360
aactctgaag gagaggagga attagttggg atgccaattt cctctncact gctggacatg	420
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<210> 1518

<211> 501

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (397)..(490)

<223> n=unknown

<400> 1518	
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actgaggtga atagctcaaa agacaaggat gcctttagtc caggctaacc cctgtagcct	180
ctacgcaatt aacacagaag aaaggccttc ctcccttcca gcactggggc tcaacagtgg	240
actgagtgtt tggtagtgtg catttccaat cttaatagag caaagccaga cttctgcttt	300
gatgactgag ctacaggagc aggagtggtc caaggttctc aaattctgtt tttgtttttt	360
tccagacttc tatactattg tctgccctag gctgtangga atgctgggta gtttgctgaa	420
cagacactgt gttcagcagg gtttgtggta tctcaaattc cagggtctcag cccaaagctt	480
tgcagttcan cctgactcc a	501

<210> 1519

<211> 454

<212> DNA

<213> homo sapiens

<400> 1519

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cggtgtaaca caaccgaaac caaaaattga atcacccaaa ctggaaagaa ctccaaatgg      60
cccaaattatt gataaaaagg aagaagattt agaagacaaa aacaattttg gtgctgaacc      120
tccacatcag aatgggtgaat gttaccctaa tgagaaaaat tctgttaata tggacttgga      180
ctagataacc ttaaattggc ctattccttc aattaataaa atatttttgc catagtatgt      240
gactctacat aacatactga aactatttat attttctttt ttaaggatat ttagaaattt      300
tgtgtattat atggaaaaag aaaaaaagct taagtctgta gtctttatga tcctaaaagg      360
gaaaattgcc ttggttaactt tcagattcct gtggaattgt gaattcatac taaggctttc      420
tgtggcagtc tcaccatttg catcactgag gatg                                     454
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<210> 1520

<211> 518

<212> DNA

<213> homo sapiens

<400> 1520

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aagtgttcac aatcagttac aacaggatcg acatttcttc cattccacac tttcacatga      60
caatatactg tatagtgaga gagaaagttt aaagtttttg ttctgcatgc tgctaacaca      120
tttgactagc ttttgtttta ctcatgaat ttttaatatc aaagcaaaaa gtcattttct      180
cttggacaga aatgggtttta gaaagccctt atgaagtcag acttagtctt gtttataaac      240
atccacaccc acacacatgc tgaatggaga gcaaaatgca agaaaactac cttggcagga      300
acaaatgctt aaagatttta atcacagccc tcttgaacaa gcagtacagt tttttttctc      360
caaaagacaa aagtcagttt catcctcagt gatgcaaagtg gtgagactgc acagaaagct      420
tagtatgaat tcacaattcc acaggaatct gaaagttacc aaggcaattt tcccttttag      480
gatcataaag actacagact taagcttttt ttcttttt                                     518
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<210> 1521

<211> 267

<212> DNA

<213> homo sapiens

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ttaaattgtg gttgccatgg taccgagga ctcattcctg gggctcgctg ggacctccct 120  
aaacccttcc tggaagaaaa ctggaaccaa ctctgccta cctccctgca ctaaccagct 180  
ttgaggatgg cactgaagaa cccttgagc aaacatacct cccttgtagc tcccacatca 240  
accattaaag ttatttaaca gcagcct 267

<210> 1522

<211> 249

<212> DNA

<213> homo sapiens

<400> 1522  
cacagaaaca ctaaataagt cctcccaggg gagctcctcg agcacacaat cagcaccttc 60  
agaaacggcc agcgccctcca aagagaagga gacgtcagct gagaaaagca aggagagtgg 120  
ctcgaccctt gacctttctg gctccagaga gacgccctcc tccattctct taggctccaa 180  
ccaaggctct gaccattccc ggagtaataa atcccagttg gaggcagcgt gtgagaagag 240  
gggatcgac 249

<210> 1523

<211> 443

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (331)..(431)

<223> n=unknown

<400> 1523  
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ccgcgcgcggg ggctcaggct caactgaggg ttttgtcatt ttcaagtctg aaagtggctg	180
ttctcctgct ttgttgtttc ttcttttctt ggcgtctggg tttttctccc aatgggggtgg	240
gtggttttgtg tcccgattca ctgctagtcc cagaaggtgt ccagccgaga ctcttttcggg	300
aggaggctct tcgtgctggg actgggtgtg ngatcggaac gtgtcgatcc cctcttctca	360
tcantgctga tcnantgga ttantactc cggaatggg canagccnng gttggagcta	420
agagaatgga ngaggcgctc tct	443

<210> 1524

<211> 388

<212> DNA

<213> homo sapiens

<400> 1524

gcatccatct gtgggtggcct tgtgatgctt ttgcctgaaa ccaagggtat tgccttgcca	60
gagacagtgg atgatgtaga aaaacttggc agtccacatt cctgtaaatg tggcaggaat	120
aagaaaaccc cagtttcccg ctctcacctt tgaggccccc gacaaagaca gaaagaagga	180
gctatccagg agctgacct ccttgcaaag ctgtgtcttg cagagatgca cgtgtgcatt	240
tcagctacat catgccgcgc tgttgtaata ctgtataaag acctcaatct atccagagta	300
tttttatata atgttggtatg agttaggatt tgtaatgctg ttgaagttct ggggacacat	360
aatatgtagc cagtttaaca aagaagct	388

<210> 1525

<211> 308

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (192)..(292)

<223> n=unknown

<400> 1525

gttgtcttct ccaagctgta gttctacgct ccgacctccc tatcatacca cactcttcag	60
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cgaccacgca ggcactttcc cggccccag tataccataa ttgaagaaaa atgatggaag	120
agagtggaat agagacaaca ccacctggga ctctccacc aaatcctgca ggctggctgc	180
tactgctatg tntttctacc cctgttccat tagcggcaac cagttctttt tcttctccaa	240
atgtatcttc catggagtc ttcccaccat tcgcatactc tactctcag nnggcccttc	300
ctcctgtg	308

<210> 1526

<211> 372

<212> DNA

<213> homo sapiens

<400> 1526	
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ggctacagga aaatgataaa aactactgga ttcatttaga ctattcgatt taggaaggta	120
caaccacttc ttttaacatca agctaaaagt gggggaaagt ctcagtctcc caggtaggtc	180
tcctctcaca ctgtcctggg tggcaggcgc tgtttataca tgctgctat cgtctggct	240
gcactgtaga tcattctgccg acgggacatc ccagtaaagtg ccatgtgcca atcagtccgg	300
ctgacattca gtaaactctt ttccaggact tcacccactg tcacccaaaag gcctgaccac	360
tcagattata gt	372

<210> 1527

<211> 508

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(46)

<223> n=unknown

<400> 1527	
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cgcgctgctt atctgtgatt gttgctcacc tgagtgtggc tgattgtgta catccagcag	120
ctacaatttt taaaaattat atttttacat ttattttata tttttctcac cccagtaat	180
ttccttccaa ataagttcac atgtaataag tagaaattct gtacagtaaa aaagcattaa	240
aaatactatt ataactgctt catttgctgg gaaccattac aagtagtata aattagcttt	300
ttccagaagg atcctcttgt agcagggttt atgaatgtaa cccccagcaa aatgtgacta	360
tatattagga gagccagttt ggagcagagg cctgaaggtc cctgctatgc agcctgggcc	420
acagctcaca gcaccagtgc tgtggagcat ccacaccttt gatggcaatg cagagtgata	480
gcaggttcca taggtgtgac aaaacagc	508

<210> 1528

<211> 358

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (27)..(293)

<223> n=unknown

<400> 1528

gtaaacaact ggcacaaaat tcataannat acaatactcc tatgcaatat cactttantc	60
tngatatata nttcaatttt ctcatnaana tctactggccn attntaacac tanagnttnt	120
ntgccaagca tttttanang ctcatccttt taaaagaaat acgggcncca actttgattn	180
ctaaaatgtc atagcaatag ctanctngat cggcctcttt gcncatcctn actttcntca	240
cactanagca gnaatatttt taaatggcna tnaatatnca aaatacngag ctntaatgct	300
gttttgtcac acctatggaa cctgctatca ctctgcattg ccatcaaaag ggtgtgga	358

<210> 1529

<211> 338

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (331)..(331)

<223> n=unknown

<400> 1529

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gctgcctgcc gccatggcag agttgggcct aaatgagcac catcaaatg aagttattaa      120
ttatatgcgt tttgctcggt caaagagagg cttgagactc aaaactgtag attcctgctt      180
ccaagacctc aaggagagca ggctgggtgga ggacaccttc accatagatg aagtctctga      240
agtcctcaat ggattacaag ctgtggttca tagtgagggtg gaatctgagc tcatcaacac      300
tgcctatacc aatgtgttac ttctgcgaca nctgtttg      338
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<210> 1530

<211> 478

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (445)..(445)

<223> n=unknown

<400> 1530

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tttgtaata actatcttta acaatgctat tatttatattt tacccatggg gaatgcataa      60
gtacaaacat tgtagctta tttaacattt attaaaaata cagactcttt atactaatgc      120
agaaggataa gcctcttctt cccactctaa aaatctcttc tttgctgtaa agaattctca      180
gtgcatgtga gctaagactc tggagcactc agtagagagg tgtgtgggat gaccagacag      240
aatcactagg ttttctctgt tttcaactag ctgaaaatag gaactctagt tctaaatatt      300
caaagtctaa atattagaaa aataaggaga ggggatatga caaatgctt ttcaaaatac      360
atgcctgagg tgagactgct tgtatgtttg catgtggtag cttccagagg aaatcttcag      420
ttaatcttc agggatcatat tgtgncagtc ttttctcag atctttgatt tgggcatt      478
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<210> 1531  
 <211> 400  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (113)..(136)  
 <223> n=unknown

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 nnnnnnnnnn nnnnnnattt ttggaaaatg gagctatggt gtaaaagcaa caggtggatc 180  
 aaccagttg ttactctctt aacatctgca tttgagagat cagctaatac ttctctcaac 240  
 aaaaatggaa gggcagatgc taggatcccc cctagacgga ggaaaaccat ttatttcagt 300  
 gaattacaca tcctcttggt cttaaaaaag caagtgtctt tgggtgttga ggacaaaatc 360  
 ccctaccatt ttcacgttgt gctactaaga gatctcaaat 400

<210> 1532  
 <211> 352  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (298)..(338)  
 <223> n=unknown

<400> 1532  
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 ggccttactt caaaagaaca ctatattcat attaaacatt tacagtcttt ccatctaact 120



ttacacatgt cctaaatcat tttccagcac ttctcacata gaagtctagt tttgctcttt	180
aaaatcacca tctgtatcac ccctagtaga aacgagggtt tccccatta catgctgaag	240
agagccagcc accacccac ctaaagacat ccaagcagtc cagagctgcc tccgaggnc	300
acccttcggc cacggcagtc tcgatttcaa gaactganta tctgacacta gt	352

<210> 1533

<211> 537

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (38)..(38)

<223> n=unknown

<220>

<221> misc\_feature

<222> (492)..(492)

<223> n=unknown

<400> 1533

caaacatttg agcaagaatt gaataaaata ctgcgaantg gcaaccaagc atacttccag	60
atgggtcaat attctctcga gttgaagaag actatctctg gaggataaaa caactaggat	120
cacactctcc agtagctctt ctgaatacac tgttctactt taacactaag tattttggcc	180
tgaaaacagt ggaacaacac ttaagacttt cctttggcac tgtgtttagg cagtggaaaa	240
aaaatccttt aacgatggaa aacaaagcgt gtcttcgata ccaagtgtct tccttgtgtg	300
gaacagataa tgaagataaa attactactg gaaaaagaaa acatgaagat gatgagccag	360
tatttgaaca aattgaaaac acagccaatc cttccagatg tcctgtgaaa atgtttgaat	420
gctacttgtc taaaagtcca cagaatctta atcagagggtg gatgtttttt atttgcaacc	480
agatgctcta gntctacaga tagcctgtc tgggtatacgt ctactttcac tggaccg	537

<210> 1534

<211> 203

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (199)..(199)

<223> n=unknown

<400> 1534

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tgcaagttct aaacttttag tagtgctacc catacacaac catctgggta agaaccagat    60
aaaagagccc cttccaagg aagctttgca acagtagagt tgtgcaatat ggatgtttct    120
tactacaaga aaaaaattat acatggcaca ttctcattca tattctgtaa tgtaaaaagt    180
tacaaacata cctaatacna taa                                           203
```

<210> 1535

<211> 460

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (365)..(449)

<223> n=unknown

<400> 1535

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caagaagaca ttagtgagat atggtttgaa tatgaaggca caccactgaa atggcattat    60
ccaattgggt tgctatttga tcttcttgca tcaagttcag ctcttccttg gaaccatcac    120
agtacatttt aagagttttc cagaaaaaga ccttctgcac tgtccatcta aggatgcaat    180
tgaagctcat tttatgtcat gtatgaaaga agctgatgct ttaaaacata aaagtcaagt    240
aatcaatgaa atgcagaaaa aagatcacaa gcaactctgg atgggatgca aaatgacaga    300
```

tttgaccagt tttgggccat caatcggaaa ctcattggaat atcctgcaga agaaaatgga	360
ttcgntatat ccccttttaga atatattcaga caacgactga aagacctttc attcagagct	420
gtttcgtcct gtggctgcag atggacagnt gcacacacta	460

<210> 1536

<211> 480

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (407)..(407)

<223> n=unknown

<400> 1536	
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aaattttcgt taaggaaaga tgggtttact gtaattcaat cttttacaaa aaattacttg	120
caagttattg ataacagaat ttctctttta ctttcttaat tctcttgaaa attaaaccaa	180
tgtttccact ttcattgagct aaagttcaac catggtcacc ttaggaaata cccctgttta	240
tttgtaatc agaaatacaa atcgagtggc acatacttcc attttcttct taggccaaag	300
gtttcagctt cattatatatt tacagaagac cttcagtggg ccggttaagtc tttcatgtca	360
caagctgagg tttaatgatg gcagtggagg aaagcagagg tgatgcnaag taagaccagc	420
cagttgcta totgacatgg gaatcttttt cctgtctggg cttgcagcag cgaagtgttt	480

<210> 1537

<211> 301

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(46)

<223> n=unknown

<220>

<221> misc\_feature

<222> (203)..(242)

<223> n=unknown

<400> 1537

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aggctcagat cctgtgggtca tcgtctcggc ggcgcggacc atcatagggt ccttcaatgg     120
tgccttagct gctgttcctg tccaggacct gggctccact gtcacaaag aagtcttgaa     180
gagggccact gtggctccgg aanatgtgtc tgaggtcac tttngacatg tcttggcagc     240
angctgtggg cagaatcctg ttagacaagc cagtgtgggt gcaagaattt cctactctgt     300
t                                                                    301
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<210> 1538

<211> 506

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (255)..(349)

<223> n=unknown

<400> 1538

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ccaatgcaca gggctgcaac accacgactt ctgcccattc tctccagtgt gtgtaacagg     120
gtcacaagaa ttcgacagcc agatgctcca agagggtggc ccaaggctat agccccctct     180
tcaatattga ccttctctgg gtttaatcca agttctttaa ctattgcagc agagacagct     240
gcaaaggctt cattnatttc aaatatgtca acatcttcca gtgaccaacc tgcttttgta     300
acagcttgct ttatggctgg aattggctct attcccataa tggaagggnt ccacaccac      360
```

ttgggaccag gaaactatcc gtgctaaagg tgtaagtcca cgtttatcag cttctgactt	420
cttcataaga acgacagctg cagcaccatc atttattcct gaagcattgg ctgggggtga	480
ctgttcccgt ccatcagtaa gaaagt	506

<210> 1539

<211> 307

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (48) .. (48)

<223> n=unknown

<400> 1539	
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aattattctg taattcctcc ttcttcaaga gatttggcat ctcagaaagg aaatataagt	120
gagacattgt tattgatgat gaagaggaca tagaaacaaa tggaggagca gagaaaaagt	180
cttctggttt tatcgaatgg ggacttcctg gaactaaaaa cgaaaccaac gatttgggat	240
ttctccactt ccagtctttc aagaagtaag accaagactg ggagtaagac cttttaaccc	300
tggtaga	307

<210> 1540

<211> 429

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (228) .. (228)

<223> n=unknown

<220>

<221> misc\_feature

<222> (395)..(406)

<223> n=unknown

<400> 1540

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ccataagata gttctaaca atccttattc ttcctttcag cttcatgtta tacatccaga      60
acacgtgcat tatgtagatg aaagagtaca taatagcact taaaagttaa aattatcact    120
gttagcctaa acaacaactt aggtataaaa atccagacct ctgctaattt actacaaatt    180
gtacatcttg acttattaaa aactcctttt ttaagattcc agttgttntc acagggagac    240
aaacaagatg tactataaaa ttcttggaag gatttgcttg attctactgg aagaatgaca    300
ttagccttct ttgtagatgc atctttttta catattatgc ttcgtgtgtt ttgagtacgt    360
ttatgagaga aggaagaaag gcaggtggta gagcnaaaga ggtganctga tccttttcgt    420
tgataagct                                     429
```

<210> 1541

<211> 417

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (158)..(253)

<223> n=unknown

<400> 1541

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cagccgggag ccactttgat gctgcgaagg ccgtggagga acagctgaga aagtcgttcc      60
agatccgctg cggcctggag gagagcgtgt ccgaggggct gaacgtgccg cgctccaagc    120
ggctcttccg ggacctggtg agcctgcagg tgccgganga acaggttctg aatgccgcgc    180
tcaggagaaa attggctctc ctgccgccac aggctcganc cccgcacca aaggagccac    240
ctgggcctgg gcnagacatg accatcttgt gtgaccaga aacgctatct tatgaatctc    300
cacacctgac cctggacggt ctgccccctc tccgacttca actccggccc cggccttcag    360
```

aggacacctt cctcatgcaa cggacactga ggcgatggga agcgtagacc ccaaaga

417

<210> 1542

<211> 403

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (10)..(33)

<223> n=unknown

<220>

<221> misc\_feature

<222> (348)..(395)

<223> n=unknown

<400> 1542

acaaaaatan gaactaacc tccaggnatc ttnggggtct acgcttccca tgcctcagt 60

gtccggtgca tgaggaaggt gtcctctgaa gggcggggcc ggagttgaag tcggagaggg 120

ggcagaccgt ccagggtcag gtgtggagat tcataaaata gcgtttctgg gtcacacaag 180

atggtcatgt ctggcccagg cccaggtggc tcctttgggt gcggggctcg agcctgtggc 240

gggcaggaga gccaatctct ccctgagcgc ggcattcaga acctgttctt ccggcacctg 300

caggctcacc aggtcccgga agagccgctt ggagcgcggc acgttcanc cctcggacac 360

gctctcctcc aggccngcag cggatctgga aacgnctttt ctc 403

<210> 1543

<211> 440

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (433)..(433)

<223> n=unknown

<400> 1543

```
gagcctttgg agagaacgct ctggaccggt gagtgagcca tgaggtcggg ccacaggctc      60
tgaagtcgtg aagccttggg acggagcggg tgggtgcttcg aggaagcgcg cccccggggc      120
cgggtcccga gggctcgatc cgcattctaca gcatgaggtt ctgcccgttt gctgagagga      180
cgcgtctagt cctgaaggcc aagggaatca ggcatgaagt catcaatatc aacctgaaaa      240
ataagcctga gtggttcttt aagaaaaatc cctttggtct ggtgccagtt ctggaaaaca      300
gtcagggtca gctgatctac gagtctgcca tcacctgtga gtacctggat gaagcatacc      360
caggggaagaa gctggttgccg gatgaccctt atgagaaact tgccagaaga tgatcttaga      420
gttggttttct aangtgccat                                         440
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<210> 1544

<211> 506

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (468)..(468)

<223> n=unknown

<400> 1544

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tgcccccttc agagcccata gtcacaggcc tcagggtgtg tctgtaagta gagctctagg      60
aaaccttgcc agtctttctc actagtaagc agggctgaga ctgtgggac ttccttcatg      120
gctgccatcc acagtttcag ttttgagtg tgggtctacac actcatttaa cttcattgct      180
tccagccgtt caaaccaggg ccagatgagg taatcaatca tagagataga attgccacca      240
aagaaggctg tcttcttatt agtcagaacc tcctctagct tggtaaattc tttacgaaat      300
tcttctttta ggccagcata gtcttcttta ttttggtctc taataaagct tcctaccaag      360
gatggcacct tagaaaacaa ctctaagatc atcttctggc aagctttctc ataggggtca      420
```



tccggcaaca gcttcttccc tgggtatgct tcatccaggt actcacangt gatggcagac	480
tcgtagatca gctgaccctg aatgtt	506

<210> 1545

<211> 429

<212> DNA

<213> homo sapiens

<400> 1545	
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catgaagagg aaaagaggag ggagccctgc tgtaacactt cttattagtg aaaaaatata	120
tgtggatata accctggctt tggaatcaaa aagtagctgg cctgctagca cccaagaagg	180
cctgcgcatt caaaactggc tttcagcaaa agttaggaag caactacgac taaagccatt	240
ttaccttgta cccaagcatg caaaggaagg aaatggtttc caagaagaaa catggcggct	300
atccttctct cacatcgaaa aggaaatttt gaacaatcat ggaaaatcta aaacgtgctg	360
tgaaaaccaa gaagagaaat gttgcaggaa agattgttta aaactaatgg aatacctttt	420
agaacagct	429

<210> 1546

<211> 572

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (555) .. (555)

<223> n=unknown

<400> 1546	
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ttcaatttgc tttgtcagaa attctttact tcttttgcata attaatgtgc tagagaatag	120
attgaattca ggaataaaat aattctcaag tttttctgtc ctgaggcact gaagaaagta	180
tgtcacgcag ttatcaaagc agaggcccag gtctttgcgg tcccactgac tgtcttgagg	240

gttctgggta catacgtgaa agaaggcagt tttcacatga taagaagaga atttatccag	300
atgttttttg tcttttaaacc tttctttcag ctgttctaaa aggtatttca ttagttttta	360
acaatctttc ctgcaacatt tctcttcttt gttttcacag cacgttttag attttccatg	420
attgttcaaa atttcctttt cgatgtgaga gaaggatagc cgccatgttt cttcttggaa	480
accatttcct tcctttgcat gcttggggac aaggtaaaat gggcttttagt cgtagttgct	540
cctaactttt gctgnaagcc agttttgaat gc	572

<210> 1547

<211> 431

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (428)..(428)

<223> n=unknown

<400> 1547	
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caattgaatc accgttgtca ttcagcgagc aaccaatgta ggattgccca cagtttttct	120
ttttaaaggt ggttttcgcc ctctctctcc cacattatctt cttaatctga acatgaaggc	180
tccattagca aactaaaaac ttgatcattt acagccccct gtgcatatga gtggatcaaa	240
ccggttctgt tctttcttgt gttgccatgt tactatgcct caagcccagt ttgcttttgc	300
cgcagcgatg gggccagtct cattcctccc caggagtga aattgcttca gctgaaaagg	360
ttgggtgcat gtcagtaaaa agggcttatt tgtttcattt actttctgc aaaattttct	420
tcaaagcnac a	431

<210> 1548

<211> 619

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (71)..(99)

<223> n=unknown

<220>

<221> misc\_feature

<222> (596)..(596)

<223> n=unknown

<400> 1548

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ctttaatttt taaaaaact tcaatatttt aatgtcctga ccagcagcag tacaaact 60
aaaagcaagg ntttnnnnnn nnnnnnnnnn nnnnnnnnnc caaaacaaca aacaaaaccc 120
ccaaacagga aaaacaaaca aaaatccccc aaaccacata ttaaaaatgg caggcttttt 180
ataacaatag ttaaagtaat aaaaacatac aaaactttgt ttttttttta atatataac 240
acagtacaag gctgaagcac ctttgacttt tctctcaaaa ttacgtctg tatgaaaacc 300
caaccactg tagtaacaat ctggtgggtg tgaagctgtg tatacacaga gctctgtaca 360
tgctccccac ggagtaataa aaagctacct tcagtttgtg aattggtttt atctttaggt 420
aagaaagagc ttttccaggg aaaagccttt gggttgcttt gtgtgctcct aggacttggt 480
gctttgaaga aaattttgca ggaaagtaaa atgaaacaaa taagcccttt ttactgacaa 540
tgcaccaac cttttcagct gaagcaagtt tcaactcctgg ggaggatgag actggnccca 600
tcgctgcggc aaagcaact 619
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<210> 1549

<211> 521

<212> DNA

<213> homo sapiens

<400> 1549

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aataacatgt caaccccgct gcccgccatc gtgcccgccg cccggaaggc caccgctgcg 60
gtgattttcc tgcattgatt gggagatact gggcacggat gggcagaagc ctttgcaggt 120
```

atcagaagtt cacatatcaa atatatctgc ccgcatgcgc ctgtaggcc tggtacatta	180
aatatgaacg tggctatgcc ttcattggttt gatattattg ggctttcacc agattcacag	240
gaggatgaat ctgggattaa acaggcagca gaaaatataa aagctttgat tgatcaagaa	300
gtgaagaatg gcattccttc taacagaatt attttgggag gggtttctca gggaggagct	360
ttatctttat atactgcctt taccacacag cagaaactgg caggtgtcac tgcactcagt	420
tgctggcttc cacttcgggc ttcctttcca cagggtccta tcggtggtgc taatagagta	480
ttccaatctc cagtgccacg gggattgtga acccttgggt t	521

<210> 1550

<211> 466

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (6) .. (320)

<223> n=unknown

<220>

<221> misc\_feature

<222> (443) .. (463)

<223> n=unknown

<400> 1550

taaaancctg gtcccaaaat aaaagggcca ttaattgaag agaacgattt tactttttct	60
tgacaataaa cagcattatc ccnattatta ggaataatgt aataccacct cattcttatt	120
atgtattata atcattatgt atatatgaac acatatataa aaatacagac actgcatggn	180
gactaagcaa ttttggaata aatccataga ctaagtcaca gcatgcataa atngtttata	240
tcttaactgc tcatttatac ctgaacaaat tttcattaag catactgcta attttcaa	300
gatgtaataa aaaatctggn ggcagtactg tattatattg ctgaattaca tttgagaaaa	360
aagaagctac ctgcttcac tattctaata tagtagatcc tgggtcgtct tataagaata	420
catgtataga aacttaaaag gancataaan ttctcangag ggngat	466

<210> 1551  
 <211> 571  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (121)..(196)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (344)..(376)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (506)..(506)  
 <223> n=unknown

<400> 1551  
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 gtttgcaagg cggatatcca cgccaaggcc tttggatcgg ccgtgggtac atccgtctga 120  
 nccgttcctt tccatcgag agcggcgccg tccggcgggc ctctccagtc atggactacc 180  
 ggcggcttct catganccgg gtggtccccg ggcaattcga cgacgcggac tcctctgaca 240  
 gtgaaaacag agacttgaag acagtcaaag agaaggatga cattctgttt gaagaccttc 300  
 aagacaatgt gaatgagaat ggtgaagggtg aaatagaaga tgangngnnn nnnnnnnnnn 360  
 nnnnnnnnnn nnnnnnctgg gactggggat gaaggagttg gaaaactcgc caagggttat 420  
 gtctggaatg gaggaagcaa cccacaggca aatcgacaga cttccgaca gcagttcagc 480  
 caaatgtct acttcagca gaccangtct tacgggaatt ttgagataaa attaatttag 540

attaagctaa tggtactgat tccgtcataa t

571

<210> 1552

<211> 616

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (11)..(13)

<223> n=unknown

<400> 1552

gatgacctca nanggggtctc tggtgtgtac aaagaaagca aaaccaattt tcccatgagt	60
gcctctggac actcatgtaa gagttacaga tggtgactac atttaaacad ttatcatgct	120
tccaaaaaca tatttgtaag agaaaaaat ataaaaataa aaatgtacaa agttctttat	180
taaaataata gcttaataa atcctctgtc aacaccagac agagtcagtg actggatcta	240
gactctagag cttagagctt ttacatagt tacatgaaaa catttgaatc cgtcttcaca	300
gacagtgcc aagatgacaat ctgggttaaaa ccaataagcc atcttcaga tgcagcttaa	360
gagttcaggc gagaaaagga actgaggaaa atgactgtac ataatatggg tctcattcta	420
tttgcttttt ttctcttgg ctgtcttctc cttctttttt ttcacatgtt tagggatttt	480
gttttttctt ttctctctct gggcttcctt gaccatcttt tttctttctt ttttatcaat	540
gtcagggtcc gtgggtgtgt tcttgggggc gggcatgggc tccctgctct tcagagtctg	600
tgtcagagca ctcaga	616

<210> 1553

<211> 505

<212> DNA

<213> homo sapiens

<400> 1553

cgtagtactg acagtacctt aagagctctg gagaccgtga agaaagtggg aaagggtggc	60
gctaattggc agaattgctg tgggccctct gcagattctg taactgaaaa taaaattggg	120

tctccacca agactcctgt aagtaatgta gcagctacct cagctgggccc ctctaattgtt	180
ggaacagagc tgaattctgt gctcaaaaa tccagcccat ttctaactag agtaccagta	240
tatcctccgc attctgaaaa cattcagtat tttcaagatc caaggactca gatacccttt	300
gaagtcccac agtaccacaca gacaggatac tatccaccac ctccaacggc accagctggc	360
gtggtccct gtgttcctcg ctttgtgagg tccaataacg ttccagagtc ctccctccca	420
cctgcttcca tgccatatgc cgattcatta cagtacattt tccctcgag atcgaatgaa	480
ttcttctcct ttaaccagct tcctt	505

<210> 1554

<211> 544

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(112)

<223> n=unknown

<220>

<221> misc\_feature

<222> (408)..(529)

<223> n=unknown

<400> 1554

ttancccccna tcaatcatcc atcagacata ngcacaccaa aatgcactca gtaatggat	60
aaccaagatg cagcagcaga aaacaaatac attaagcatg acgccgaaag gntcagtttc	120
tttacctctc catttcttag ttcaatttcc ttgcttaaaa ggtttaaggc aagggtgacgg	180
ccttcatcca ggaattcca cttctgttgc atggccaaag cattggcctc tctctgaaga	240
agtaatgagt tgctcttggc ctgctgaagt tcaaggctca aaagggtccc agtactggaa	300
tgctttctat gaccagataa atcagtaaca atgaatctgt ccctttcaac atagtgtgct	360
gatgatgtgg cctcgttgcc atatgaactc caccttgaat caacagcatt gacatnaggg	420

acataatctg atacactgat ggggcttagt cgcactttcc ttgggaagcn gtggcctgga	480
caaggatctg tggtatggna aacctgtacg gggaagatcn ggaaatcgna ccccatTTtg	540
agat	544

<210> 1555

<211> 368

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (331) .. (331)

<223> n=unknown

<400> 1555

cgccacaagc tctacaagct gatcattagc cagctgctat atgacggcta catcagcatc	60
gccaatggcc tcatcaatga aatcaagcct cagtctgtgt gtgcaccctc ggagcagctc	120
ctgatctcat caaactcgga atggaaaacg atgacaccgc agttcagtat gcaattggtc	180
gttcagatac tgttgcccct ggcacaggat tgacctggaa tttgatgcag atgttcagac	240
tatgtcccca gaggttctg agtacgaaac atgctatgtc acatcacata aaggaccatg	300
ccgtgtaact actatagtag agatggacag ntaatagtac tggggctgct gatgcttcga	360
taaagata	368

<210> 1556

<211> 424

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (86) .. (86)

<223> n=unknown



<220>

<221> misc\_feature

<222> (389)..(389)

<223> n=unknown

<400> 1556

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cttatctgtt caaatatacc tggaanggaa atacacagag gggttcagcag aataagcaag    120
aaagttgaca gaagaaccaa atgaaaattc ctcatgtcaa aagcacttta atgccctatc    180
ctccttcaat caagagatca aaagaaacgg caagtctgtt acttacaaaa ccgatgaaaa    240
tcacactgta ataatcagtg aatgtagaac tgcacagatc tgtgtttcca actttttcca    300
ccatgattct acatcaaggt aaaaaaagat tcttttatac aaatccaaga agaattgtgga    360
cagaggtggg cagcaaaacg tccaggatng tgcacggact tacgactgca gctgagacaa    420
gacg                                         424
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<210> 1557

<211> 345

<212> DNA

<213> homo sapiens

<400> 1557

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gaaaaatcct gaaatggaag atttgccatc taaaggagtc caggaggaaa ggctgggaac      60
tgagcccact tctgaaacac aggatgaatt acaaaggctg ctgggggttg taagagacca    120
agatcccttc tcagaggagc agatgcaagg actgtgcatt gaactgaatg atttcattgt    180
tgctctatcc tcagtccaac cctctgcca aaggggaaggc tttgtcactg tccctaattg    240
gacatgggca gatattggtg ccctggaaga cattagagag gagctcacc atggcaatat    300
tggcaccagt tacgcaaccc agaccagttc aaagctcttg gattg                      345
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<210> 1558

<211> 582

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (255)..(256)

<223> n=unknown

<400> 1558

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ctttttctta aagaggaaga aggcattttc acacaaggct ggccagatgg gaagaatctt      60
cagcttcagc ttcagcttgg cctcattcat ttgaaaataa aatgtttaca tgaggccgcg      120
cctgtgtcca gctgaaagtg ggtccttcag agcgtgtggg ggattctctg ccggcttgat      180
gggctagctc ctctaagcgg gctgctggag acatcaccgg ctgagggact cctgcaaacg      240
ttcatacatg atttnntcct tttttgatat agatgatctt actttcttga aagcttcttc      300
aaaatgctta tgactaacct tgagttcacc tttttcattt ccactcttct gtcttgccat      360
ttcctgtctc agggcacaga tagaagcttc tcgtaccaa gcagagagat ctgcgccgt      420
atagcaatca cagcgaaggt caccagcaat tgcttccaaa tttacatctg catccagtgg      480
tggtttggta ccattttttg tgatagtttt taagatggca aggcgatctg cagggggcgg      540
taaaccacaca aacagtgttt tgtccaggcg ggcccgggca ca                        582
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<210> 1559

<211> 389

<212> DNA

<213> homo sapiens

<400> 1559

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gggggtccagg agggcagggg ggggctcggg aactggccat ccacttgatt cttgcctctg      60
tgcccagggc tctctgtccc gccgactcct gccccattc tgccgggcaga cctggccggg      120
atcttggggg tctcaggagt ccttctcttt gactgtggct acctccttca tctgctgtgc      180
cgacagaagc accgtcgttt cctgctgtga ctaagtcagc aacacagttc ctctgacatg      240
ggccttggtt gtgcttcttt ggggggtgaag agattgggga ggaagtctcc acccctggga      300
ggcagaagcc aggcatagcg cgctggctag gactccagta ccgtgaaggg aggcagtgag      360
agcagaatct gtgcctcatt cctgatctc                                389
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<210> 1560  
 <211> 120  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (14)..(115)  
 <223> n=unknown

<400> 1560  
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 aataaattgt atttttccat ncttggggag gatanatnan ctctttgcaa tgntntaata 120

<210> 1561  
 <211> 424  
 <212> DNA  
 <213> homo sapiens

<400> 1561  
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 agaggatcct tccctgagaa tcaccaccgt caaaatccag acggaacagc agagaatctc 180  
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 tgaggtgaag cggtacacag aggagaagga gaggcttgaa aagaagaagg aagaaatccg 360  
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<210> 1562  
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 <212> DNA

<213> homo sapiens

<220>

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<222> (2)..(113)

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<220>

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<222> (292)..(425)

<223> n=unknown

<400> 1562

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ctttaactta gtgggattag tgcttcagct tgggcccaaa tattttcccc attattgttt      180
ctcaaaactc atgtcataga tgggttttac agatgatggt tttacagatg atgtcaatgc      240
tgtttaaaat caccgaagac tgagttgggc ctggtaatat tggagagaac tnaagggaan      300
gatggnntaa tccccactg ctangtattg gataagagat gatggccang agtttaggtc      360
ttctcactca ccaaagncat gtnaccata ggacagggcc ctgcttcctt gantcatctt      420
ccacnaaagt ctaaaca                                     437
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<210> 1563

<211> 357

<212> DNA

<213> homo sapiens

<400> 1563

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accagcata tggggactca cctaccaaac aactttctgt cgttgtgcct tcatacaatg      180
aagaaaaacg gttgcctgtg atgatggatg aagctctgag ctatctagag aagagacaga      240
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aacgagatcc tgcgttcact tatgaagtga tagtagttga tgatggcagt aaagatcaga 300  
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<210> 1564

<211> 299

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (11)..(291)

<223> n=unknown

<400> 1564  
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 agtaggtctt taccatttg tagccagctc cngaattgaa ctnattttaga accttcaatt 180  
 tctgtccagt tganagcaat ttctgctatt ggaattttaa nganctgtgc tatgtacagt 240  
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<210> 1565

<211> 321

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (287)..(287)

<223> n=unknown

<400> 1565  
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gttactcctt gttttccggt tctggccgcg ggagcctctc gagaagcgtg gaaagaggag	180
aagggcgtat accttgtgac cgctctggt tgtcttgggc tcgcgcctgg cgccgcttac	240
gtggagtcgc tctctcgteg tcacttttgg ctgccgactt gttgagnaga agtgcagact	300
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<210> 1566

<211> 472

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (34)..(98)

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<223> n=unknown

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<222> (417)..(471)

<223> n=unknown

<400> 1566

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cactgaagaa aaatttgtga ctctcatttc agtgatgttt tctgcattat taaaaaatat	180
tatgctactc ctactatat tatgttgatg gttgaaatgt cattataaag cttaatttat	240
atgattctct tnatgaggat gatgaagcaa atgctccatc aactcactag tttaacagggg	300

caagcatttt cctacatttc acacataatt tgattacctc tgcctaagt gaataatcta	360
ctatctgggt atgagaaaca tgatttgga aactaaacc actatattat ttcaacnaag	420
aaccatcttt cacacctaag taaaaggga cttcaaaaaa agtcctaacc na	472

<210> 1567

<211> 176

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (25)..(170)

<223> n=unknown

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<210> 1568

<211> 531

<212> DNA

<213> homo sapiens

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ggctttcccg gagctccggg aaccctaaag gggactctgg tctcccaggt ttcacaggag	180
agacagacag aggaccaggg gagcgaggga ggccagcagg agccccagt ggcgatggag	240
gctggaagcc ccagaggagt agccgtaatg ggtcctgcag gagccacca gctgggtccag	300
cgggatgggc tctcctcgg gagcctgtgt gaggttgctg gcctgttcca cagcctcgaa	360
gaccctcagc aggttgctcag ccagtgcgcc cttgacctcc gcctccgtcc agttcctcct	420
gagcagctca gcgatcaggt ctggatactt ggagacgtcc tccagcccct cagggaccct	480

tggaacacca tcaaagtccc caccaaaaacc cacggctctg gctcctgcac t 531

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<211> 68

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (23)..(64)

<223> n=unknown

<400> 1569  
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taantttt 68

<210> 1570

<211> 275

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (112)..(215)

<223> n=unknown

<400> 1570  
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnggaac tcatgtttgg aagtgaacc 240  
ctgcacgctc tctgtgctgc tgataatcga gtgca 275



<210> 1571  
 <211> 521  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (282)..(298)  
 <223> n=unknown

<400> 1571  
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 tcccctaaca cacagtcttg tgattttaca gttctatgac ttacagttga tgattcacia 180  
 gattcaggat tctacaagac tcaaggggga actaaacttt cttacgattg tacatgatca 240  
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 atgccaagga ggaatgggg tggttcaagt caggcagcga tgattctgga aggttggaaa 360  
 tgtaagggtta gaagcttggc tggtcttagt aaacttggtc ccttgctccc acccaagaag 420  
 aggtaccaa tgtgagacct gagatctccc tccaatatct gtcctctgca gttccgggga 480  
 aactaatcat ggaagtacac atgcagcagc tcctccaact t 521

<210> 1572  
 <211> 445  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (62)..(62)  
 <223> n=unknown

<400> 1572  
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 attatactaa gcatgacaag taatcatcat ttacagtatg gtacactgac acgataaaaa 180  
 ccatgttaca aatgtgctgt tataaatcag taacattagg gaagacattt catgaactgt 240  
 aattatttca tatgaaatac tatacaatat aaacagaaca tccatcttgg atgaccttta 300  
 cagcaaccag agaccaagta atttaaaatt ttttttcagt gcaaacacat tttattcaag 360  
 gcagtcttgg ctgcaaaact cctttctaac atacagtaaa tcccacttgc acgtcttaat 420  
 tcattttacc ctaatgcaat agtca 445

<210> 1573

<211> 510

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (52)..(114)

<223> n=unknown

<220>

<221> misc\_feature

<222> (357)..(434)

<223> n=unknown

<400> 1573  
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 catagtagga ctttagagca aacttagaga cttgagagga aacttagaga agagctgacc 180  
 aaacctctta ggtgtcaaaa taaggcaatg agtgagggtg gaaatgaggt gaagcagaaa 240  
 gggctctgcat gaggtcaagg cccaaggcca tctgcacatc cctgcaaaac actgcctgcc 300  
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tccatccaca gatttcacgt ttctggtttc taccctgtac gtcagtngga ttattttaatt	420
tcctgtggta gtangattct acctgaccca agttccaata aaggaaaata agtgtgggtcc	480
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<210> 1574

<211> 591

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (284)..(416)

<223> n=unknown

<220>

<221> misc\_feature

<222> (528)..(528)

<223> n=unknown

<400> 1574

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attacaccaa aattaccatg tgctggcaca taccatcatc ccactgggtgg ctggaaaact	180
gggttgcagg agtgtctgtc actgagatgg gccaccacc cagtggccat atggtagaga	240
tgagggaagg atggactaga agcaagctgg gtcttctggg tcgnectctac tcctttttca	300
cttcatacacc gttttcccca ctgagcttga acacaggnat ctgctgncca tccttgagnt	360
ctaaaaagac ctctcaagg ngccacctct gaaagggnc cctctggatg agtggncgta	420
gagaaggccc tctgatttgg atccagagac aggaatcttc aacttggcat caacaatgtc	480
cacgaagttt ccctgtcgat gagcttgaga taatggatgt tgagaggngg ggccagagct	540
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<210> 1575

<211> 445  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (42)..(42)  
<223> n=unknown

<400> 1575  
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agaaagaaac ttttcttaaa cgagagctct ggatcaagga gaattatgag gtctacaagc 180  
aagaacaaga ggaagaatta aagaaaaagt tggcaaata cccagatgg aagagataca 240  
ggagatggat gaagaatgaa gggcctgggc ggttaacatt tgtggatgac tgaagattga 300  
tggaatgcta ctatgccaaa ccttaattgt gatattattt tcataactga attatttttag 360  
aatgtatca attgactgct gctcagcagt aactaaaatt cctcaagtat ttgattaaac 420  
agaataatgt caaaatttaa acctt 445

<210> 1576  
<211> 457  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (388)..(435)  
<223> n=unknown

<400> 1576  
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caaatccac aaatagatta taaaattga acaatcataa atgtcttatg tataaagttt 120

taaggaagg tttaaat	gacattat	tgttaatca aatacttgag	gaatttagt	180
tactgctgag cagcagtcaa	ttgatacatt	tctaaaataa ttcagttatg	aaaataatat	240
cacaattaag gtttggcata	gtagcattcc	atcaatcttc agtcatccac	aaatgttaac	300
cgcccaggcc cttcattctt	catccatctc	ctgtatctct tccatctggg	gtcatttgcc	360
aactttttct ttaattcttc	ctcttgntc	ttggcttgta gacctccatt	aattctcctt	420
gntccagagg nccngttta	agaaaagttt	cctttct		457

<210> 1577

<211> 432

<212> DNA

<213> homo sapiens

<400> 1577

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gttcagagat gcagctgagg	agcttaatgc	atcctccagg ccccaaacct	gggacgaggt	120
cactgttgaa ttcaaacctg	gtctttttca	tgggggttggc ttccgatcca	caagccccctt	180
tgggaattccc gaagaggctt	ctgaaatgct	tgaggcaaag cccaagaacc	tggaaacttag	240
cccagaagga gaagagcagg	aatctttgct	tcagcctgat cagcctagtc	ctgagttcac	300
atttcagtat gatccttctt	accggtcagt	ccgggaaatt cgagagcatc	ttagggccca	360
gggagagtgc cagagtctga	gagttggtcc	tgcagctgca tacaatgtga	gctgaaaatt	420
ggttctgaag ag				432

<210> 1578

<211> 460

<212> DNA

<213> homo sapiens

<400> 1578

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cattgaaaac ttaatactga	aaaataccgc	aatctggaca gcaagacaaa	tatcaacaaa	120
tgtgttttca gttttgatat	tcatttggca	tccacaaaat gatccagctc	aaaacaagag	180
tttgacaaag ttaacatcag	cattaacaaaa	tataagttac aacaaaaaaaa	cagactgtga	240
acaccaaagc actactcagg	gctctttggg	aacataaggc tgatcagcgg	caggtgggta	300

atcatattaa ctttgttgtc ccacctcagg atcattttgg ttgtctattt gggctttag	360
ttgcttagct aactcctcaa attcacgaaa tgcagaaata agcgggtcaa gactggaaat	420
catcatcaat taaggacatc tttccacttt ttaataatgt	460

<210> 1579

<211> 501

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (472)..(472)

<223> n=unknown

<400> 1579

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aagacatcct tcttgagtca ctcttaatca tgaaacttga ttttctcaat tggccagtct	180
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tttaaaaggt gaaatgacat ttaaagaaaa acaaacaccc atcattcctc agtcccaaca	300
cagcagttct tttcactctt gcttgtaact ttcaggcctt acccacatgt gttcctagag	360
ttgcatgtag ctaaaattat agtgtgtgtc ctaactttgt gctaataacg aaggacacac	420
attatcattg gcctctcagt gggatgggca ctggaccccc atttttccca anggatctaa	480
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<210> 1580

<211> 549

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (507)..(519)

<223> n=unknown

<400> 1580

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ccctttaact tathtagcac gcaaaaataat cataaaagta atgtctataa gctctaacca      180
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ccttttttgg cacatattat cctatgaaaa tggaaagctg agtcaggctg ctctgctttt      300
cacagcacia ataagcattc atgctatcag acttgggaaa ttaactcggg gacaaaaaatt      360
cactggaaaa tagaatcctt ggaaaaatgg ggtcagggtgc catccactga gaggcaatga      420
taatgtgtgt ccttcggttat tagcaciaag ttaggcagca cactataatt ttagctacat      480
gcaactctag gaacacatgt gggtaangcc tgaaagttnc caagcaagag tgaaaagaac      540
tgctgtgtt                                     549
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<210> 1581

<211> 207

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (52)..(166)

<223> n=unknown

<400> 1581

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gaagggacia agccatganc ctgntccaga ttcagttctg aatagtgttg gagatctatt      120
ggatctgatt ccctcactct ctcccacaaa aaacggcagc ctaaangttt taagagatgg      180
ggacatgggg acattgctcc gctctta                                     207
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<210> 1582

<211> 494

<212> DNA

<213> homo sapiens

<400> 1582

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atgggaaaaa catagctaaa atagtgcctt tggatatcta ttacagtct tctagtcctg      60
catctccctc cttcatttta tatcaagttt caaaattggt ttcattgtaa taaaatcaaa      120
gtttagagacc tctggcatgc cctgatgtag agttttgttg aaacgggtccc agcgaaaaac      180
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attgttgtat cgcattgatat atttcatgga tgccgtatca gtcactttcc cttgggtcacg      420
ccggaatttt ttgggctcgt gggagctaaa tcataagagt agtccaaagc ccagcttctg      480
aactaacagt ggat                                         494
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<210> 1583

<211> 433

<212> DNA

<213> homo sapiens

<400> 1583

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cagctctact tcgcccagagc taatgagaga gtaccatgct gcgccttcag cccagaaaac      60
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aaccagtcaa ccagttctat tgttgtcagt ggagagagtg gtgctggaaa gacatggacg      180
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cacaagattg cagagaggat agaacagagg atcctgaact ccagccctgt catggaagct      300
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gaaaactcga gtg                                         433
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<210> 1584



<211> 601

<212> DNA

<213> homo sapiens

<400> 1584

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aaggcggtag cactagttct ctcttctgat catgcggtac cttgctctct gcccccatgg      60
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ccaccccacc acctggtctc cagactcagc agaacagagg tgactgattc cttggaggta      180
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gatagaagat gtggaagttc ctctcactgg aagcctggca ggccactcga gttttctcta      540
ggaggtaggt ctggatgcgg ctccagtcac ttgtgagccc tgttaagctg gagctggatg      600
a                                                                           601
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<210> 1585

<211> 464

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (56)..(58)

<223> n=unknown

<400> 1585

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acacgccacg ctgacagctg agcaaagaag catcccgggc aggggcacag ccagtggccg      180
gggcaggcac aagctggatg tgtgaagcag caaggtgtcc gtgggaccaa ggcccagcaa      240
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gcaaagggag agtggcagag aggctggcgg acttgagacc tgcagagccc tgcggaccac 300  
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 ctttggttgt gctgttaacc acttccgctt cttccccagc aaaaaaggga gacgctgttc 420  
 ccgctgtgct cattcccatg tgacatctcc ccgggagagc aaca 464

<210> 1586

<211> 80

<212> DNA

<213> homo sapiens

<400> 1586

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tagtacaaag ttaaggaggt 80

<210> 1587

<211> 433

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (358)..(358)

<223> n=unknown

<400> 1587

gtgagtggct acgatgagaa catgaacacg atccgcacgt accaggtgtg caacgtgttt 60

gagtcaagcc agaacaactg gctacggacc aagtttatcc ggcgccgtgg cgccaccgca 120

tccacgtgga gatgaagttt tcggtgctg actgcagcag catccccagc gtgcctggct 180

cctgcaagga gacettcaac ctctattact atgaggctga ctttgactcg gccaccaaga 240

ccttccccaa ctggatggag aatccatggg tgaagggtgga taccattgca gccgacgaga 300

gcttctccca ggtggacctg ggtggccgcg tcatgaaaat caacaccgag gtgcggantt 360

cggacctgtg tcccgcagcg gttctacctg gccttcagg actatggcgg tgcattgtccc 420

tcatcggccg tgc 433

<210> 1588  
 <211> 522  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (470)..(490)  
 <223> n=unknown

<400> 1588  
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 aaaaatacag agttttttaca gcaagctgct ttagaagaat atgggtccaga gcttcatgtt 120  
 gctttgagaa gtcgaagaga tgaattgcac tatttaagga aacttactga actgcttttt 180  
 ccttatatatt tgcctcctaa agcaacagac tgcagatctc tgaccttact tataagagag 240  
 attctgtctg gctctgtgtt ccttccttct ttggatttcc tagctgatcc agatactgtg 300  
 aatcatttgc ttatcatctt catagatgac agtccacctg aaaaagcaac tgaaccggct 360  
 tctcctttgg ttccattctt gcagaaattt gcagaacctt gaaataaaaa gccatctgtg 420  
 ctgaagttag aattgaagca aatcagagag caacaagatc ttttattcgn tttatgaact 480  
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<210> 1589  
 <211> 549  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (393)..(393)  
 <223> n=unknown

<220>

<221> misc\_feature

<222> (541)..(541)

<223> n=unknown

<400> 1589

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taaaatttca gacagcgatg tacataatat atataagaat atacccaaaa aagtaaattt    60
ctaccaccct cgcacagcag aaattttcaat gggttattct ataccaaata caagtgttta    120
catccaagat gtcacagagg taacttcctt ttgtacctta ttgagctctg gaaacagttc    180
ctgtatcaca atgtccaata aaacataagt cagctgcttg ttgagtactg gttgctgtaa    240
gccatcaaac agaagtctga tgctttcata cttggtttct tcaccaatac acttgactaa    300
cagatctgga atgtaattca tcatttcttc aaaagtctgt tttgctcctt tttgcttata    360
ttggagagag cgaggttcag tgttttcaca gantatagca tctctgagaa gtgttatgag    420
tgagaccaa cgggtgctcct gaaatagctg ttccagttta cactgaaaga tagtaatcag    480
tatacatctt cagggtgttt ttaaagagga ttcgagttcc cattaaggag atgatggaag    540
ncagtcagg                                     549
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<210> 1590

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (487)..(487)

<223> n=unknown

<400> 1590

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ggagcccaag accatcaactg acgagtttga gcaggtgagg gccccgcccc ctctcttccc    60
gctgctaggg ttggggtaga gtccccagge tccaggcagc ccttgctggc ctctgctccc    120
ttgcctccac ctttcagctg gcgcagtcce tcagcctgac caagtaactcc tccctctggc    180
```

tgtctgctca gcttgaaca ccgcccctctc atcctccact tggccagctc ctaggcctcc	240
tgtaggtctc agcccaaagt tcccttcctc aaagaaacct tcctggagcc acccagccca	300
gtgcctcccc ttgacagtgc tgggcacact cgctgggggt gtgggatttt ccagtatgt	360
gtccctgcac caggctgtgg gctctgtgcc gagggacttg atgggccccca ttcaactcca	420
ggccccagac tcagcagggc agggctcatg cggaaatatt ttttgatgg ttctcaagtt	480
ctaatanggg aaattctgt	499

<210> 1591

<211> 140

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (31)..(138)

<223> n=unknown

<400> 1591

aaataggttt accaaaaaat gtccctcact natngnaaag angaagnggc agccctcgcn	60
cccgggcccc caggnggggg ctganaggaa aacctcnccg gcacnctncn tggttcctgg	120
gagangggga tgnnccgngg	140

<210> 1592

<211> 407

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (157)..(157)

<223> n=unknown

<220>

<221> misc\_feature

<222> (324)..(367)

<223> n=unknown

<400> 1592

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gccacctgga attctacctc ctctggactc acaaactgct catgttgac ggacagaagc      120
tgaagtccag agccgggacg ctgctgcctg tcatcanttc ctccagaaga gcatcccagc      180
ggcacctgga cgacctgtcg aaactctgta gctggaacca ctataacatg cagtacgcat      240
agcagtttcc aagcagcggg gcacaaaacg ctccctagac ccgctgggaa gtgaggagga      300
ggcagaagca tctgaagatg acancctgca tctgcttgga ggaagaggca gagactcaga      360
aggaganatg ctggcctaga gccagccggg ttgcagcggt ggattgt                      407
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<210> 1593

<211> 589

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (89)..(89)

<223> n=unknown

<220>

<221> misc\_feature

<222> (408)..(467)

<223> n=unknown

<220>

<221> misc\_feature

<222> (574) .. (574)

<223> n=unknown

<400> 1593

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atcaccggtc acacggcccc gctcctggng ccaggtgccg gtgcgtgccg gcccctggcg      120
tgaccgctcg gctcgctgtc ctgatgggct acatgtgtgc acaggaaaag caagtcacta      180
ccactagtga cagtatttca gctgttctct ggacccctcc tctttgctgg cccaggtggc      240
acaagggtcc catctccctg gcaggtctta gccggcacia tccaacgctg caaccggctg      300
gctctaggcc agcatctctt cttctgagtc tctgcctcct cctccaagca gatgcaggct      360
gtcatcttca gatgcttctg cctcctcctc acttcccagc gggctctangg agcgttttgt      420
gccccgctgc ttggaaactn ctagtgcgta ctgcatgtat agtgggntcc agctacagag      480
tttcgacagg tcgtccaggt gccggctgga tgctcttctg gaggaactga atgacaagca      540
acaacgtccc ggcttctgga cttcaagttc tgtncgtgca aatgagcag      589
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<210> 1594

<211> 434

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (34) .. (131)

<223> n=unknown

<220>

<221> misc\_feature

<222> (357) .. (387)

<223> n=unknown

<400> 1594

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tgcaggggaag ctggcacggg caacggccga ccctgggaaa gccgggggtcc ccggagttgc	120
agctcccga nctccggcgg cggctccacc ggcgaaagag atcccggagt cctagtggac	180
ccacgcagcc ggcggcgcta tgtgcggggc cgtttttggg caagggcggc ttgccaagt	240
gcttcgagat ctcggacgcg gacaccaagg aggtgttcgc gggcaagatt gtgcctaagt	300
ctctgctgct caagccgcac cagaaggaga agatgtccat ggaaatatcc cattcancgn	360
aaccttcgcc caccagcaac gtcgtangat tccacggctt ttctgaggac aacgacttcg	420
tgttcgttgg tggt	434

<210> 1595

<211> 427

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (49)..(65)

<223> n=unknown

<220>

<221> misc\_feature

<222> (292)..(292)

<223> n=unknown

<220>

<221> misc\_feature

<222> (399)..(424)

<223> n=unknown

<400> 1595

aaaggacagt tccgaattca atagaaatat tctgtacaat tcatatggng gggttnaagg	60
nggangggga caaggctgta gaaccacac ccgaacatgt acaaaaataa cttatacagc	120
aacccccacc tgcaaggatg atgcagctct gccagccac cggggctggg gggcacactg	180



cagacatggc accgcgggag ccaaccagta tggggcccca gatgcaggtg ggagtgaaga	240
gggcaccatt ccggaaggga gggcagtatt aggaggcctt gagacggttg cnggccgagc	300
gtgagctcag cagcttgtcc accatagtgc gggcgtagcg agccggctgg ccagtcctt	360
gcagcagccg tactcctcca ggagactcag gcggtatgng cggaagtccc gctttctcgt	420
cgangta	427

<210> 1596

<211> 475

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (433) .. (433)

<223> n=unknown

<400> 1596

tcttagtaaa agatactcat gaaaaaagca gttttatttt cctaacaaaa aagaaagagc	60
tcattatgtc agtgtctatg aactgtaccc atcccaactc tcaaatacgtt tgggtttttt	120
tatcttgatt gagatcctct tctcactatg ctagtggtgg agatattgac aaaatcctat	180
ttctttcaaa gaggaacttt tcacaccgaa aaaagagcat ggaattattt tatattgtta	240
taaaaatccc agatgcaaat ttttttaatg ccaattatta gagcttctgg ggaaaaagta	300
tagttcacgg aaataaaaact atgttctttc agggttgggt ggataggtgg ctgctagggt	360
gtctggctcc tggcggcttt gccatcccat gaggcaaagg ctgggaacac agtgtctttg	420
cctatggtag atncatgtga atgtcaggaa gccagctctt cagtcttgga gatga	475

<210> 1597

<211> 477

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (352)..(429)

<223> n=unknown

<400> 1597

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ggatacaagt atttacaatg ctattggagt caattattga caacactttg caacagtaat      60
accatttcta gcttttcaat tggcaatact tagaacctta ctgtagtgac ctgattttta      120
ataccatatt atatttacta agttaagagc tagtttttac tctcttccat aatttcatta      180
catgaatgta agatgatggc tcaaaaatga cgacttatag tttgaattta tgtgtatgca      240
atatacatat gagaaccaaa ttcaacaagt gacatgaatg ttactacatg aacattgaat      300
tgtattgccc ttgtcagtta tttcctctgg tcaataaata ctgaagggtca cnaacacctt      360
tttacttttc aagagtttgc cttctcntct cgattttagt aattaantng gatattttcc      420
tcccatgcnt cttcatctga tttagtggga tgtttcaata ccagcaaaac caaaagg       477
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<210> 1598

<211> 404

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (199)..(214)

<223> n=unknown

<400> 1598

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cagggtgaatt ttatcttcag atgtctaata ggacagtgtg acattgcca gagatagtct      120
ctcaaaggta gtgagtgcc a gcagaacttc tcgaatgcga agttgagaaa ttttacttat      180
ttacttattt tccattggn nnnnnnnnnn nnnncttta atgttttctg agttaaaaag      240
gcctctgact ggtagtcttg acacagcttc ttgagagtct ccgagagagc ctcttctcag      300
tacaattcct aagaagatag gaagaaaaaa aaaaaatatt cttaacacat aaaactagaa      360
```

ttagtgaggaa gaaatgccta ctgtaaactc aacagaaccg gggt

404

<210> 1599

<211> 529

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (522)..(522)

<223> n=unknown

<400> 1599

caagccgcat ttaaaaaggg catctgttca gctccatctg cttgctgcgg tgcaagaatg	60
ctaaaccagg attaccagtt cttcacattt ttgaaatcc aaattttcat gagaaacatt	120
ctcattttta aatatcaaga agtgatttta aaatgttta atgggtgctgg ttaaacaac	180
acgtctgcag ctggatttag cttgcaagct gccaagttgc aacctctttc attctagaaa	240
cttctgtcat ttctatcata gcaagtctat gcggacaaaa gcctccaaac tttccaactg	300
tgtaggccag tacagctggc aaggttcata gaatataatg gctatcccc tctgccaat	360
aagactatcc acaaccacgc tcagacacag tggttatatg attttgtgtc catacaggag	420
aggccttggg gtcttcacat acattctctg agccaacatc tatccagcag ccctgacctc	480
ctgctataat ttaagtctat ttccttttaa tctaataaga gntggtagt	529

<210> 1600

<211> 391

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (14)..(14)

<223> n=unknown

<220>

<221> misc\_feature

<222> (171)..(171)

<223> n=unknown

<400> 1600

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gacttctgca tggnatatatt ggctttacaa acgttaatgc ctagttaatg cttgtgttat      60
atgggtacaca tcattacaat ctggttgcca gtaacagctt ttgcaacatg ggttaatact      120
aaaattgtga atcatggaac ttttacttag cacacacaca cacaatctac ngcaaactta      180
aatactaate tataatacct aactgggtta ttggatccat tgcaagattg tgcttattta      240
tctcagaagg taggcaacta gcaaaaatac acatttcttt cgcatatccc cccccccata      300
ttacactgta aaagaaatac attattcagt gtacttctta agaaataaac ttccttaata      360
gtaacctctc tctatatata tctatcccaa a                                     391
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<210> 1601

<211> 295

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (222)..(275)

<223> n=unknown

<400> 1601

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taataaaatt ctcttctttt tctcaggtgg ctcatccaca ataagcttaa actctaacca      120
ggctttggca aaccagttt caacacacac cattttaact cccaattcca gcctcctgtc      180
tacttctcac gggacaagaa tgccatcatt atctacagca gntcagaata tggggatgta      240
tgganacttg ccttgtaate aacctaacac atacngtgtc acttcaggaa tgaat          295
```

<210> 1602

<211> 512

<212> DNA

<213> homo sapiens

<400> 1602

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gaataaatag acattaatta tgaaattcac attaagatag aagaaaatcc aaacattctg      60
attgctttat ctcttaaatt tgataactac tacaaaacat actatztatg ttagggtaaa     120
aataagctga ctcacaggag tgtaactggg aagtgctggc agatatatac agtaacatgg     180
aggagccata caataaaagc gtttatatgt acatcatttt ttttcttttt gtatggagaa     240
atgctgcctt ataaaatcgg aaaacacaca gtagactaca tgcaacaagg accaatacaa     300
tgtgcacagc agaagaatca aataagacac aagaactatg ggtttaaaaa agaatttggg     360
agcaggacaa aaaacaagga ttgaaacctg gaatgctttc ttattgaggt ttcagaatat     420
aaatttgtct aacaagcctc ttgatagttt tcaaaagttc ccaactcaacc acctatgggt     480
taagtgtgag ctaaaaataa accatcatat ta                                     512
```

<210> 1603

<211> 404

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (230)..(376)

<223> n=unknown

<400> 1603

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gaagaactga aatcatactt cttagggtta tgattaagta atgataactg gaaacttcag      60
cggtttatat aagcttgat tctttttct ctcctctccc catgatgttt agaaacacaa     120
ctatattggt tgctaagcat tccaactatc tcatttccaa gcaagtatta gaataccaca     180
ggaaccacaa gactgcacat caaaatatgc ccattcaac atctagtgan cagtcaggaa     240
agagaacttc cagatcctgg aaatcagggt tagtattgtn caggtctacc aaaaatctca     300
```

atatttcaga taatcacaat acatccctta cctgggaaag ggtgggtata atctttcaca 360  
 ggggacagga tggttncctt gatgaagaag ttgatatgcc tttt 404

<210> 1604

<211> 365

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (254)..(254)

<223> n=unknown

<220>

<221> misc\_feature

<222> (356)..(356)

<223> n=unknown

<400> 1604

tcttacagta ataaatataa tgcagtcttc ttaagagtca gtttggagtt gagaaggcag 60  
 tgtacccttg atggaaacag tcagactggt ggtaccatct tcttcagaac tgcattctaag 120  
 aggctgtgct ggctgggaat catcacagctg tgggcaacaa ctgcatcagc cccaaggctt 180  
 ccctccagac caaaagggtga ttcattggccc ctgggttaata tcaccctagg ttctcccctg 240  
 tcccagtttt aacntaatat ttcattagaaa tactagtgcc ataaaaagtc aatatttcaa 300  
 atataaaaat tatttttatac aaatgtaatt cataatcatt cttttaaaat acagcatttgt 360  
 tatat 365

<210> 1605

<211> 340

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (88)..(88)

<223> n=unknown

<400> 1605

atcaacttca ccctcttcct ggggctatatt ttcttgacca caccctccat catcctgtcc 60

accatggaca agtttaatgt caccaaanc atccatgcgc tgaataaccc gatcatcagc 120

cagttcttcc ccaccctcct gctctgggtcc ttctcgccc tgctcccctc cattgtctac 180

tactctacac tgctggagtc tcaactggacc aagtcggggg aaaaccagat catgatgacc 240

aaagtctaca tattcttgat cttcatgggtg ctgatcctgc cctccctggg ttcaccagtc 300

tagatttttt ctccgggtgg ctctttgaca aaacttcctc 340

<210> 1606

<211> 578

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (32)..(32)

<223> n=unknown

<220>

<221> misc\_feature

<222> (144)..(144)

<223> n=unknown

<220>

<221> misc\_feature

<222> (259)..(569)

<223> n=unknown

<400> 1606  
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 tgctgcacca gaccaatggc accnccccca ccctcccag cgcaggggca gcttgagca 180  
 gaggcagcac tggccaccac tgcgggggca agtcagcgtc aagagagtcc ctgagtgaga 240  
 agggccagat aagcccagnn cccccaggcc agcggacagg cacaggcagg gcctacagag 300  
 gtgccaagnc cccaggccag ttgtgctagg agcctggacc tgctcttcca cantcccac 360  
 ccgcccctac tgcacaggct tgtgccttgg tgccccctgg aggcagcagg gaggaggttc 420  
 tcaggcagaa gtcttangtt gcatcccatt cccagaatc cccaggnggg anaagaggga 480  
 tgggctgccc tcnttctgc aagagccaca nctcaagggc antgggatgg cctgcaccc 540  
 agcccaggta ccccttctc tgtgggacna tgtgtcc 578

<210> 1607

<211> 475

<212> DNA

<213> homo sapiens

<400> 1607  
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 ttagaatgtc ctccagaaga attagcacgt gacagtgaga aaaagtctga tatggaatgg 120  
 acatccagtt caaagattaa tgcgctaattg cacgcattga ctgacttaag aaagaagaat 180  
 cccaacataa aaagtttggg tgtttctcag tttaacaacat tctgtcttt aatagaaata 240  
 ccacttaaag cctctggatt tgtgtttact cgtttggatg gttccatggc ccaaaagaaa 300  
 agagttgaat caattcagtg ttttcaaaac actgaagcag gatctccaac tataatgctt 360  
 ctgtccttaa aagcagggtg agttggtttg aaactgtctg cagcttctcg agtgttttaa 420  
 tggatccagc ctggaatccc ggctgctgaa gatcagtgct ttgacagatg cctag 475

<210> 1608

<211> 285

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (201)..(251)

<223> n=unknown

<400> 1608

ccacaaaatt gtttgaatca caagtggtaa tacaatgtct tcaatatttt tctaaagtta 60

tttttctata taataataag acaacagcat agcatatagg aagttttcat tccagtggct 120

tttttatata tttatccttc ttaggaagga caaattaaat tttttaaaatt aaacttttaa 180

aatataacaa catctaacag ngactgtacn aanacaaaga gacanttttt aaacaacttg 240

ccaaacttac ntatgagtgt ggtttaaaaa caaccttgta aatgt 285

<210> 1609

<211> 430

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (96)..(96)

<223> n=unknown

<220>

<221> misc\_feature

<222> (197)..(233)

<223> n=unknown

<220>

<221> misc\_feature

<222> (400)..(400)

<223> n=unknown

<400> 1609  
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 tgtagatagt aagaaagaat atattctaga agtgagtctt ggagaaatct aacatttgga 180  
 agtgagagag atgagannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngggaaag 240  
 gagctaaaca ggtgcaacca gaagtgaagg aggaaaacaa agacaatgtg gtgttctgga 300  
 agccaagaat acagtgtttt attgagagaa tttttacccg tgtcagaaac tactgatagg 360  
 taaagaaaaa taaggactga gaaatggctc tagaatgtan ccaggtggct gttggtaacc 420  
 ttgtgaagaa 430

<210> 1610

<211> 413

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (119)..(167)

<223> n=unknown

<220>

<221> misc\_feature

<222> (281)..(378)

<223> n=unknown

<400> 1610  
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 agaggaaatt tgtatcagct acttggaact ctgtcagcgg gaggcancgc cacagccgcc 180  
 acaagatcct cagggagAAC tatctatttg tctgttcctg tcccaaatgc ctggcagagg 240  
 ctgatgaacc caatgtgacc tcagaagagg aagaggaaga ngaggngag gaggaaggag 300

agccagaaga tgcagagctg ggggatgaga tgactgatgt gtgatgttgc cctgcccaga 360  
aagggccctg ccctagancc tgccagaaaa gggggctctt cccccagag aag 413

<210> 1611

<211> 314

<212> DNA

<213> homo sapiens

<400> 1611  
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ggtttcacct ggctccatgg tccaggaaag ggctgtggg gtgggcacct gccctctctg 120  
ggatccctca gcaggagaat gcagcaggct cctccaggaa agggaggcat tgggagtgat 180  
gggttgtaat tcccatagca tccaacccaa gagtgaagg ggtgggtgcta atctgggggt 240  
aggaggggac aagacagggg ctactctcga agtatctagc ccaagctcct cgagggttct 300  
ggaagacttc aatg 314

<210> 1612

<211> 536

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (21)..(21)

<223> n=unknown

<400> 1612  
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gacaggattc aactttggaa acctccatat acagatgaaa ataaaaaagt tggtttggca 120  
ttaaaggacc ttgctaagca gtactctgac agactagaat gctgtgaaaa tgaagtagaa 180  
aaggtaatag aagaaatacg ttgcaaggca attgagcgtg gaacaggaaa tgacaattat 240  
agaacaacgg gaattgctac aatcgagggtg tttttaccac caagactaaa aaaagatagg 300

aaaaacttgt tggagacccg attgcacatc actggcagag aactgaggtc caaaatagct	360
gaaacctttg gacttcaaga aaattatatc aaaattgtca taaataagaa gcaactacaa	420
ctagggaaaa cccttgaaga accaaggcgt ggctcacaat gtgaaagcgg atggtgcttg	480
aactaaaacc aatctgaaga gggccgcgag gaaaaacctc ccagttaaga ggaaga	536

<210> 1613

<211> 344

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (92)..(316)

<223> n=unknown

<400> 1613

caccacacta tatccagctg gaggacggcg tagttatcca ctgtgtccag cagctctctg	60
caacactcac agaaatattt gtcagcgctc ancaganatg gcaaggctat tccatattct	120
tttcttttca ggaaagctct gcccttctca tgatatccca tagctaacat aagggntttt	180
ctttctgatg ggggaattct gattgatctg cctgtctggt tagctatgtc taagtaacgn	240
tgtcattttt ggatccacca ctgtctctgc tctctttgcc agtattttcta gtcctctctt	300
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<210> 1614

<211> 445

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (73)..(177)

<223> n=unknown

<220>

<221> misc\_feature

<222> (298)..(298)

<223> n=unknown

<400> 1614

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gccaagggttc ctgggtgtga acatgagttt cagagtcact cctctagggc cctgcttct      60
cagctcggac cannnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn    120
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnacc   180
aggacagcag cactggccac agaaaaaac tgtcttgccc tgagcatcag tagttccccg      240
ttgactggcc ctgaggcaga gcgatgcagc atccaaaagg cggaggagca gacctgcnc      300
agatcctagt cacttaacct tcagtgttga tctgaaggaa cttcctgcag attgtcccc      360
tgaatttatt ctggacatcc ccaatggggg ctgctgaggc catatacccc tgttcgcgtca     420
cctgagatgc ttctctctct tctg                                           445
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<210> 1615

<211> 535

<212> DNA

<213> homo sapiens

<400> 1615

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aacaaggccc gaggggtcct gattgcactt ctgatgggtg tgaacaacaa tgagacctgc      60
aggcacttat cctgtgtgct ctcggggctg atcgctgacc tggatgctct agatgtgtgc     120
ggccggacag aaatcagaaa ttatcggagg gaggtagtag aagatatcaa caaattattg     180
aaatatctgg atttggaaga ggaagcagac acaactaaag catttgacct gagacagaat     240
cattccattt taaaaataga aaaggtcctc aagagaatga gagaaataaa aaatgaactt     300
ctccaagcac aaaacccttc tgaattgtac ctgagctcca aaacagaatt gcagggttta     360
attggacagt tggatgaggt aagtcttgaa aaaaaccctt gcatccggga agccaggaga     420
agagcagtga tcgagggtgca aactctgatt cacatatatt gacttgaagg aggcccttga     480
gaaagaaagc tgtttgcttg tgaggagcac ccatacctaa agccgtctgg aacgt          535
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<210> 1616  
 <211> 620  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (178)..(266)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (379)..(379)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (534)..(534)  
 <223> n=unknown

<400> 1616  
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 gtattattgc tggtccttta tcccttctct ttaatgcaat ctcaaagggt ttttggctat 120  
 tagttttcat aattttctta tgttgcacac aaaaacaaga ttcctctcta aaacgtanag 180  
 gatggggaaa atgcagatgc tgtttttcca actaaaaatg tttacaaaag aacagactgt 240  
 ctgaacnnnn nnnnnnnnnn nnnnnngtta agctgggtag gaccaatcag gccttataag 300  
 tgaaaaaaaa gccttctatc gagcataatg aaacagaaca tgtactgctt gtgtttgaac 360  
 cttactctta tttaaccana aatttcccct ttctcataat tttcctagta ttatgtaagg 420  
 ttatgcctag ttctagatgc tgaaagacct gcattttaat gcttgacaaa cccattttaa 480  
 atctacaaaa gctgcctcta ttttgttttc tgattaaaaa cgcaaaaaaa aggncaaacc 540  
 aaacaaacca caccacatca tacaggtaat gatccgatgg aaaagttaac gtgctgtaat 600

gatatttgtc ttgcaacatc

620

<210> 1617

<211> 191

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (145)..(186)

<223> n=unknown

<400> 1617

acacccgggg ccacctctta atctagacag aaatagctgt ttggttttgt ttttaaatag 60

atctatttcc cttatcactt caattaaaga ctataaacia caaaaatctc atttgtgtcta 120

cacatcgggg tgaccttagg tcggnttgta agtggataca attaataaaa taaaatccat 180

tgccnntttt t 191

<210> 1618

<211> 267

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (13)..(13)

<223> n=unknown

<220>

<221> misc\_feature

<222> (232)..(251)

<223> n=unknown

<400> 1618  
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 gcacaaaaaa gtactggcgc aaaggacaaa ataatgctaa gaattaggcc aaacagctgc 120  
 tgattttaag aaaacaaaag gacctgaaatc actgtacaaa atagaaaatg tattaacac 180  
 taccatccac agaacagtct ttactattga tatatttaaa aattatttgt gnaattatat 240  
 attgaattnt naatgagtat tatacat 267

<210> 1619

<211> 481

<212> DNA

<213> homo sapiens

<400> 1619  
 agagcctcca tatgtctcat ctgtgctctc cgtgttcctt tccttttttt gatatatgaa 60  
 aacctattct ggtctaaatt gtgttactag cctcaaaata catcaaaaaa taagttaatc 120  
 aggaactgta cggaatatat ttttaaaaat ttttgtttgg ttatatcaaa atagttacag 180  
 gcactaaagt tagtaaagaa aagtttacca tctgaaaaag ctggattttc ttttaagaggt 240  
 tgattataaa gttttctaaa tttatcagta cctaagtaag atgtagcgtt ttgaatatga 300  
 aatcataggt gaagacatgg gtgaacttac ttgcatacca agttgatact tgaataacca 360  
 tctgaaagtg gtacttgatc atttttacca ttattttagg gatgtgtatt cattatttat 420  
 gggcccacca gtctccccc aatttagtac agaatatcca tgaccaaatt actttacgga 480  
 t 481

<210> 1620

<211> 420

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (232) .. (232)

<223> n=unknown



<220>

<221> misc\_feature

<222> (346)..(351)

<223> n=unknown

<400> 1620

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ctgtacatcc tccaagtct ggaatacaga attgatggag gacacttaac ttgcttaaaa      120
tgtatttgat tattctgcat ttatgataaa aaatatcatc cagggattat attcaagagg      180
gtaaatttag gattacatgt ttctagaaca tataatatgt aacaccatcc anaaacaaca      240
acaacataaa gcactggaac caaagaacca cttaaaattt agaataaatt aggaaatttc      300
aatctataag tgtcaaacaa caaatgagtt ataatatatt tctaanaaga naaatatcac      360
ctggggacta tgagtactac atccttgatc tggctggcca ccattttgaa gaccaccaca      420
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<210> 1621

<211> 469

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (454)..(454)

<223> n=unknown

<400> 1621

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attaaaataa ctcaagctca ggaagacatt ctcttaatct ttgttcctta attaacccaa      60
gtctctctgt cagttttcta aatagcacag gaactgggaa actaatttat ccatagacca      120
tgtggtcttc tgaactagag tcaacataaa ggaaattgct taacacacac gtacggaaca      180
ggtacctgtg tttgtgctca tagaaacaga tgggcaattc ccacttctgt acattttgta      240
tatgctataa atattttggg gacattttga aacagtgtta tttattttgt aggtgaaaaa      300
ccaaatacat tctagggatg accttgatga cataattcag tcatctcaaa cagtctcaga      360
```

ggacggtgac tcgctttgct gtaattgtaa gaatgtcata ttactcattg atcaacatga 420  
aatgaagtgt aaagattgtg gtcacctatt gganattaaa aatacattt 469

<210> 1622

<211> 336

<212> DNA

<213> homo sapiens

<400> 1622

tttaaattct aaaagcttca gaaaataaat gcacgtaagg gaaacatact gagtaaccaa 60  
gatgtgtctt ggaccatgaa tgggtgctacc acttactgag cagccctgtg tgctgggaac 120  
cttgtcctgt ggtcagtgcc tcggccgtat ccatcacaca tgggtgcatg gaaaccaggt 180  
ttccaccagc aacctgggca tgtagagct tctgtgtctg cttgggtccat tcacttggat 240  
tgtctcctcc tcctcttggg atgtcattgt cacctatgga tgggagtgtt gcatttgtcc 300  
atccctggag ggtgtccaca cgcattgtcc ctgctg 336

<210> 1623

<211> 516

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (305)..(485)

<223> n=unknown

<400> 1623

ctctttgcct gcgcctgggc ctcgtagtgt gctgcttacg tgatgccacac gtgccacaga 60  
gttattgccc gaagtgccag tgggctgtgc aggggatggg ctcttccttc cagatggctc 120  
gcagcctctg ggaccacgca gccaccatcc cctttcttcc ttcttcggat gcaatttcag 180  
gagcaaagct gatctgaggg gcaaggactt taaatccaca gaagtgtaat gtgccatgct 240  
ggagtggcca caggaagtat cgagaatctc cattgactcc tgtcttcgtg tacatctcgg 300

ccgtnccctcc cgtgggttacg ggaaaaggag cgctagttta accctgcaan ggnagaaagc	360
agatgcattt gtgtggactn cagaagagga cagaaatgtt gctgagcctc caagcacacg	420
ggctcagcac agccagcaag gaacatgcgt gtnggacacc tccanggatg gacaaatgca	480
acaantccca tccataggtg acaatgacat cccaag	516

<210> 1624

<211> 311

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (254)..(302)

<223> n=unknown

<400> 1624	
ccccacttct cgggatcggg gtcccttctg ttgtctctcc tgccctctg tgccccaca	60
tctgtctcgg tgggtctgcc actctgtgcc tcttgcgctg aaggcccgcc tttgagcctg	120
cttctttgcc tggggccctt ggccccccct tgctttttca gccctagccc cctgtctccc	180
cttctctctg ctccctgtct ccctctccct tttctgtct ttgccgggtc tctgggtctc	240
tgaccccatc cggnnctcat ggtttgtgtc tggagtcttg aagcaatgtt catcatgcct	300
antggcgat a	311

<210> 1625

<211> 313

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (279)..(279)

<223> n=unknown

<400> 1625  
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 ctcggtggct gagttctgcc gcacagaagc tgcccgttg gccgccagga gtctcttgcg 120  
 ggctctctgg cgctgcttgt cgctggcgtc tgaggccttg ttcgcggctc actgccggct 180  
 tggatttggc tggcttcttt gggaccggag ggggtggttt cttctcttcc ttctcttct 240  
 cgggggtctc caccagctgc cagctgttgg ccttgaggng gtagagttca tcgaacttca 300  
 tgctgatatc ctc 313

<210> 1626

<211> 408

<212> DNA

<213> homo sapiens

<400> 1626  
 gtgacttggg atgaatataa cattcagatg tatgatcgtg tgattgactt tgatgagaac 60  
 actgctctgg atgatgcaga agaggagtcc tttaggaagc ttcacttaaa ggacaagaag 120  
 cgatttgaaa aagctaacca ggattcaggt cccggtttga gtcttgaaga atttattgct 180  
 tttgagcatc ctgaagaagt tgattatatg acggaatttg tcattcaaga agctttagaa 240  
 gaacatgaca aaaatggtga tggatttggt agtttggaag aatttcttgg tgattacagg 300  
 tgggatccaa ctgcaaatga agatccagaa tggatacttg ttgagaaaga cagattcgtg 360  
 aatgattatg acaaagataa cgatggcaag cttgattccc aagagctg 408

<210> 1627

<211> 332

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (286)..(317)

<223> n=unknown

<400> 1627  
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aagtccttct aaaggtttct ttaaagggtt taaacaaaat gctaaaccta aaaacattgt 120  
cctgtcagtt cccaaattaa atctacttag aacaaaaaca aaaatttata gctcggtcac 180  
atactactta aataatattg ttcaggcatc tctaaaatcc tccatgtttt caagtatgga 240  
aatagaactc aaatattcca caatacagta ctaaacagat ggagtnntta ggaaagactt 300  
tgttgtcata tggcncnata ttaatatatt gt 332

<210> 1628

<211> 560

<212> DNA

<213> homo sapiens

<400> 1628  
ggacagcagg gccaacagtc acagcagccc tgaccagagc attcctggag ctcaagctcc 60  
tctacaaaga ggtggacaga gaagacagca gagaccatgg gacccccctc agccccctcc 120  
tgcagattgc atgtcccctg gaaggaggtc ctgctcacag cctcacttct aaccttctgg 180  
aaccacacca ccaactgccaa gctcactatt gaatccagc cattcaatgt cgcagagggg 240  
aaggagggtc ttctactcgc ccacaacctg cccagaatc gtattgggta cagctgggtac 300  
aaaggcgaaa gagtggatgg caacagtcta attgtaggat atgtaatagg aactcaacaa 360  
gctaccccag ggccccgata cagtgggcga gagacaatat accccaatgc atccctgctg 420  
atccagaacg tcaccagaa tgacacagga ttctataccc tacaagtcac aaagtcagat 480  
cttgtgaatg aagaagcaac cggacagttc catgtatacc cggagctgcc aagcctccat 540  
cttcagcaa caactccaac 560

<210> 1629

<211> 180

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (32)..(176)

<223> n=unknown

<400> 1629

cacagggcca cgggtcctgc aagctttctg gngcaggcca ggcctgacct tggctttggg 60

gcagggaggg ggctaagggtg aggcagggtg cgccagcagg tgcacacca atgcccata 120

gcccanaacac tggacgtgn nctcgcgga cagttaanaa cccaggggcn tctnncacct 180

<210> 1630

<211> 571

<212> DNA

<213> homo sapiens

<400> 1630

gtgcctggga agtatgtaga cggggtacgt gccaagcatc ctcgtgacac cgcgagagcc 60

cggggagcgg cggttgccg gccgtgcac tcatttaccg ggggacaggg agaggctctt 120

ctgcgtgtag tggttgtgca gagcctcatg catcacggag catgagaaga cgttccccctg 180

ctgccacctg ctcttgcca cggtgagctt gctatagagg aagaaggagc cgtcggagtc 240

cagcacggga ggcgtggtct tgtagttgtt ctccggctgc ccattgctct cccactccac 300

ggcgatgtcg ctgggataga agcctttgac caggcaggtc aggcctgacct gggtcttggt 360

catctcctcc cgggatgggg gcaggggtga cacctgtggt tctcggggct gccctttggc 420

tttgagatg gttttctcga tgggggctgg gagggctttg ttggagacct tgcacttgta 480

ctccttgcca ttcagccagt cctggtgcag gacggtgagg acgctgacca cacgggtacgg 540

ctgttgact gctcctcccg cggctttgtc t 571

<210> 1631

<211> 334

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (230)..(332)

<223> n=unknown

<400> 1631

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ttctctgggc tatacccgct ccctgcagat gcttcagcct ctgagcttac agtccccctca    120
ctgccttttg cccaatacac tgctctccca cagagacaag ctgttcctctg catttggatt    180
tggggcccag gttccccctg actggcaggt gagctccctc tctttctgcn actcctgttt    240
tcagtttcag ggtcctgatt ttgggggatg tggtaaattt acttgctact tggcactcag    300
ctttaagagg agatgnaggg ttggattcct gnag                                334
```

<210> 1632

<211> 540

<212> DNA

<213> homo sapiens

<400> 1632

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caagagcagc aaaagcagaa acaagtataa aagtatcaaa aaatacaaag tgctagcact      60
gaggagagtg agaaggggtg gggtgtggcc cagagggacc tctgggacac aggattgagg    120
acttgccaca gcctccaagg gaacctaggc ctgggggggccc tgtgcaggat ccttggtgta    180
gggtggaagt ggcttgagcg gggcccaacc ctgggcccctg aagtatgaga ccagttgtgt    240
gggcacttct gcgagcacgg tctgtgccaa tgccctccga ggggcattct ggaaccggcg    300
gtaggggtaca aactgcacaa tgtcgcgggc agcagcctgc ccagaacgtg tatgcagggg    360
tccaccatca gcgtccagct gctccatggc ctcaaagtca gcaccacca caccacacat    420
gatcactgac atgggcaggt tcgaggcacg caccacagcc tcacgtgtgg cttccacatc    480
cgtcacagca ccatcagtca gcagcaacag catgaagtat tgcgaggcag tcccctgatg    540
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<210> 1633

<211> 341

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (35)..(35)

<223> n=unknown

<220>

<221> misc\_feature

<222> (271)..(271)

<223> n=unknown

<400> 1633

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ttcaggggac agacagggag agatgactga gttagatgag actagggggc gggctggggg      120
tgcgagaagg aagcttggca aggagactag gtctaggggg accacagtgg ggcaggctgc      180
atggaaaata tccgcaggtc ccccaggcag aacagccacg ctccaggcca ggctgtccct      240
actgcctggg ggagggggaa cttgacctct nggaaggcgc cgctcttgca taactgagcg      300
agcccgggtg cgctgggtctg tgtggaagga ggaagcaagg a                          341
```

<210> 1634

<211> 435

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (334)..(334)

<223> n=unknown

<400> 1634

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cttgtaaaag gttatttatc tttaaaattt agcaatttga agacactatg ccttcctaag      60
aactaattta attctaaata ttttttaaca ttactgaggt gaattattta tgcacttagg      120
```



aagtgctaaa ttttaaaagc tgaaacacaa cagaattcta agaaatatag tccaaacggt	180
gcatggattg cagtaatcag tgtttaaagg attcagtttc tttgctgacg tactttacaa	240
ccaaataaaa tcttgtcggt ggctgtgtta attcccatga aagttaagca agatgctatt	300
aataaactgc tctgctcttt cttgttttct ttnccaact taaatttctg ttgaatacat	360
tcaggtagaa cataaagcct tgttcaatca ctgcctctca gttttctgcc tttcccggtt	420
ttcaaagtcc ttttg	435

<210> 1635

<211> 401

<212> DNA

<213> homo sapiens

<400> 1635

cttttctcca ccctcagctc tccctggaat cacctagtcc accaaccttc tgattactct	60
ctgaagagaa taaatccctg atcttctttt cagttatttt caggctttca gtattccacc	120
tccccgttat tattttttct gttatctttt ctctgttttt tgagtttttg tggttttatg	180
ccactacttt aaccacaatc tctatttata cttcatgtac agttcccatg ttagtccata	240
aaaatactta agcttttgta tttaacattt ttcaccgttt tggaaagggt ctaaaattcc	300
caggactcca cagctttgca ccagataagc ctggaggaat actaatgatg gatctaaaag	360
aagaaaaacc aagggcacgg gaattaagaa tcagtcgtgg g	401

<210> 1636

<211> 555

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (483) .. (532)

<223> n=unknown

<400> 1636

taatggtaaa caaagatgta agtacaaaac atcaaaatac gttatcagta gttctaaaca	60
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gccatagtag tcacagtgcc agaagtgagg tcactcacat ttttaaggaaa tataattcac	120
tctatttcag tggaatccat gttctggcag ttggaaggca aaggtgaggc ttactttgtg	180
caaaatgtat tcactttatt cgaaagcagc tttcttttct gtcccttgct tggcatttta	240
aagaacctgt tcattttcct tttttgttaa aagtgtctta agaactaaaa gggccgttcc	300
ttactggaat aaaattaact acacatgcca tacatttctg ggtcaatggt gctgggttaa	360
ttccctcaga attagcaatt catagaaaat taattgttaa gttatcgac tttcatgcca	420
aaagtacaat ttagagttca caatacaagg ctctgtggt taaagtgcct atgagcagct	480
tcncatcata cactgagggc tacagaactt ccttgagaa cagacncatt gntggcataa	540
actgtagtca ctgta	555

<210> 1637

<211> 496

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (78)..(124)

<223> n=unknown

<220>

<221> misc\_feature

<222> (424)..(493)

<223> n=unknown

<400> 1637

gaagattacc acctcgaaga agccaaatct taccctgaat gtagatgggc tcacgcggagt	60
cgcatttgta gacatgcnta gaaactgtgg gtcctttact cggacactat cttgatcaga	120
agangctgaa gcaggggctg tatcgtcatc cgtgggatga tatttcatat gttcttccgg	180
aacacatgag catgtaacag agccaggaac cctactgcag taaactgaag acaagaactc	240
ttcccccaag aaaaagtgtg cagacagctg gcagtggagc ctgctttatt tagcaggggc	300

ctggaatgta aacagccact ggggtacagg caccgaagac caacatccac aggctaacac	360
cccttcagtc cacacaaaga agcttcatat tttttttata agcatagaga taaaaaccaa	420
gccttatattg tgactttggc tctgctacct gctgtnttta ttatatggga ngcatctaag	480
tactgtcagg atnggg	496

<210> 1638

<211> 504

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(488)

<223> n=unknown

<400> 1638

acanagaaga gactnangtg gcagctgccc agaatctttg nggattacag atgcaaagta	60
gttaggagtc cttggacnca cacttcagtt acagacagan nagtcagctg cataaatata	120
gagnacataa gacacaagac atttcacagc tttctgcatt tccnttttaa atgtatgtat	180
gttacaactt tacntattaa gttactantc cacatatttt gtgacaatgg ctaaggatgc	240
aanngcccca tccccctgac atanacagac tctgggtctgc aacacagaac ntttcngtgg	300
gatacccaac aagcccttaa cacgtaacat acnaaaagat ctttnaaaat cagnttaata	360
caatgttctt catgntatat anggaagaag naagggaagt naaanaaaaa aaaganagnc	420
attgggggtgc tttaaagtga tagtatcttg aggcctaaa tgtttcnttc ccttcctcca	480
aanggggnaa aaatgtttta ctaa	504

<210> 1639

<211> 525

<212> DNA

<213> homo sapiens

<400> 1639

ggggcaacca ctgcgagtac tgcttcacca ggaaagaagg attgtccaaa tgtggaagat	60
---	----

gcaagcaggc attttactgc aatgtggagt gtcagaaaga agattggccc atgcacaagc	120
tggaatgttc tcccatggtt gtttttgggg aaaactggaa tccctcggag actgtaagac	180
taacagcaag gattctggcc aaacagaaaa tccaccaga gagaacacct tcggaaaaat	240
tgttagctgt gaaggagttt gaatcacatc tggataagtt agacaatgag aagaaggatt	300
tgattcagag tgacatagct gctctccatc acttttactc caagcatctc gaattccctg	360
acaatgatag cctcgtagta ctctttgcac aggttaactg taatggcttc acaattgaag	420
atgaagaact ttctcatttg ggatcagcga tatttcctga tgttgcatg atgaatcata	480
gctgttgccc caatgtcatt gtgacctaca aagggacctg gcaga	525

<210> 1640

<211> 382

<212> DNA

<213> homo sapiens

<400> 1640

attacaagag gcatgaaaga aaaaataatt ccatttttaa aactctgtcc aaagtataac	60
atatgaaacc atgccattat ctcttaggaa acaaaagcat tcaaaattaa tttgggtatta	120
aagttcaaga ttcagactaa cctcaaagta cggcatgtgc agtgtttaag tgcaagaagt	180
attttcattc caattatfff acagagatgc tggagtgcg tgtgcaattt gaaatattca	240
aatcctttaa ggtttctgaa ctaagtgttt aaatgaaaac tgaaatgctg catagtttca	300
gtggctttca atttcctggt tgatctcaga aatatatgga tgatctttgc cgtgagctac	360
ttccatgatt gcaatggcct tc	382

<210> 1641

<211> 504

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (439) .. (485)

<223> n=unknown

<400> 1641  
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gtgtacaata ataaagagtt gcaattactt gcctctgctg tgtgagaaac cccagccata 120  
tctccagcac acaaaaactt caaaacgcct aagccacagc agtcaggcat tccttcagga 180  
cttcctcccc caggatcttg cttcaagtgc tggaaatctg gccactaggc caagggatgc 240  
ccacagaact gggactcctc ctaagccgtg tcccatctgt gtgggaccgc actggaaact 300  
ggactgtcta actggcccaa ggctctgact gactccttcc cagatcttct cggctcagtg 360  
gctgaagact gacgttgctt gatcacctcg gaagcctcct ggaccatcac agacgctttg 420  
ggtaactctt acagtggang gatacaattg aagacactgg ttattttanc aangcnttga 480  
ttggnatggc ttacttttcag atat 504

<210> 1642

<211> 164

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(161)

<223> n=unknown

<400> 1642  
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cagtctccag gtttttctga tcaacttatag ctaggatgat ctattctaga caggtangtc 120  
tcacattatt agaaaagctc attngtagcc ngtngnaaag nadc 164

<210> 1643

<211> 416

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (266)..(409)

<223> n=unknown

<400> 1643

tccctgtgaa caacttacag caaaaatgaa acaaatgaaa aaaaagcttc gtgtactaca	60
aaaggaacta tcagaaccaa agaaataaaa atcatagaga atcaaaaagt taaaagagaa	120
caagagctct gcagtgtgag gtatgacata ctagtatata ggatactttt agtactagct	180
gacttacctt ctgagggttta actagagaaa gaaatctctg tcttgtagtg tcaaatccat	240
ttaaataata caagttatta actgtnaata catctcctgn taattaaatn cntatttatt	300
taaatcacca ttttaatggc tacatagaag gccatatttg ggaanccctt tatttaccta	360
aaaanttatt ttttatttta atttttttgt ggtataataa gtgctgcang cataat	416

<210> 1644

<211> 66

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(64)

<223> n=unknown

<400> 1644

ttatcancan attttaaatc tctttnagaa tnagacagaa tattacattt aattaannaa	60
tannaa	66

<210> 1645

<211> 456

<212> DNA

<213> homo sapiens

<400> 1645  
 taaacacata tcaatgtgaa ggactaattt aaattactat catttatgat tgcagtaata 60  
 aagtgataag cattcaagca actctgtatt ttcccatat tattttaaat gtccattttc 120  
 atttataggc caaatcctgc caggaaagta accagatctc tggatttcac tgttaagtca 180  
 tttcagattg accatattca gacagtcacg gggtgaaata attcacttac ctccaaaata 240  
 gcacccata tgccaataat gagttattga tctgactagt tgtatgtctt tctgttcaaa 300  
 atagaaatta tcctttctta ctaatgcctt gaaagaatga acaataaaaa attcccagac 360  
 cacagaattt ccacagcaag aatacactta ttttaattaa caatagcaca gatatagcat 420  
 agggcagtg gttttttagt taatttatgg cgtact 456

<210> 1646

<211> 392

<212> DNA

<213> homo sapiens

<400> 1646  
 aaatagaatt gataggacat ttcattttctt acctactctt ctcaatgggg ttataacaat 60  
 acaatgccac ttagtttttg tcagctcttg aaaatgtcca gcagctcaca cttagtatga 120  
 tattacaagg cacttatacc acacgatacg atacttagca acccatctca tagatacaat 180  
 tgacatttct ttgagaaaca tttctaaata tagaaataga taggacggca ccatctcttc 240  
 ttttcacaa cacagcatag cattttcccc atgttaccta tccacaccat aaatgtggac 300  
 acctctccc atttctgttc tcgatacagg ttgataatca agctgaaatt actttgcttg 360  
 cttctcttca atctcatctc agtttggttt aa 392

<210> 1647

<211> 450

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (120)..(120)

<223> n=unknown

<220>

<221> misc\_feature

<222> (301)..(387)

<223> n=unknown

<400> 1647

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gggtcgagac tttggggaga cgggtgttga gagacgcaag ggagaagaaa tccataacan      120
ccccacccca acacccccaa gacagcagtc ttcttcaccc gctgcagccg ttccgtccca      180
aacagagggc cacacagata cccacggtc tatataagga ggaaaacggg aaagaatata      240
aagttaaaaa aaagcctccg gtttccacta ctgtgtagac tctgcttct tcaagcacct      300
ncagattcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
nnnnnnnnnn nnnnnnnnnn nnnnnnngag tgactcgggtg taaaaccatg tagttttaac      420
agaaccagag ggttgacta ttgtttaaaa      450
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<210> 1648

<211> 104

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(98)

<223> n=unknown

<400> 1648

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caacaanaac aaaaaaatca gaatctgcan gggcttgaag aancangann ctacacagta      60
gtggaaaccg gangnttttt tttaacttta nattcnnncc cggt      104
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<210> 1649

<211> 478

<212> DNA

<213> homo sapiens

<400> 1649

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ggattggttg agagagtaac taggattcta gcttctctgg attttgetca gaacttcac 60
acaaacaata cttcctctgt tattattgag gaaactaaga agtatgggag aacaataata 120
ggatattttg aacattatct gcagtggatc gagttctcta tcagtgagaa agtggcatcg 180
tgcaaacctg tggccaccgc tctagatact gctgttgatg tctttctgtg tagctacatt 240
atcgaccctt tgaatttggt ttggtttggc ataggaaaag ctactgtatt ttacttccg 300
gctctaattt ttgcggtaaa actggctaag tactatcgtc gaatggattc ggaggacgtg 360
tacgatgatg ttgaaactat acccatgaaa aatatggaaa atggtaataa tggttatcat 420
aaagatcatg tatatggtat tcacaatcct gttatgacaa gcccatcaca acattgat 478
```

<210> 1650

<211> 498

<212> DNA

<213> homo sapiens

<400> 1650

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aggggctgtc gtggtgattc catggtgaaa taacttagcg ccgtctcatt gcagttggac 60
ctcccaggcc gacagcggtc cggcctctga agattcaggc caaatgagg gcctccacca 120
agggcccatc ggtcttcccc ctggcgccct gctccaggag cacctccgag agcacagcgg 180
ccctgggctg cctggtcaag gactacttcc ccgaaccggt gacggtgtcg tggaatcagg 240
cgctctgacc agcggcgtgc acaccttccc agctgtccta cagtcctcag gactctactc 300
cctcagcagc gtggtgaccg tgccctccag caacttcggc acccagacct acacctgcaa 360
cgtagatcac aagcccagca acaccaaggt ggacaagaca gttgagcgca aatgttgtgt 420
cgagtgccca ccgtgccag caccacctgt ggcaggaccg tcagtcttcc tcttcccccc 480
aaaaacccaa gggacacc 498
```

<210> 1651

<211> 413

<212> DNA

<213> homo sapiens

<400> 1651

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tgctgggtgc ctggaagta tgtacacggg gtacgtgcca agcatcctca cgcgaccccg      60
agagcctggg gagcgggggc ttgccggccg tggcactcat ttacccggag acagggagag      120
gctcttctgc gtgtagtggg tgtgcagagc ctcattgcac acggagcatg agaagacggt      180
cccctgctgc cacctgctct tgtccacggg gagcttgctg tagaggaaga aggagccgct      240
ggagtccagc atgggaggtg tgggtcttga gttgttctcc ggctgcccac tgctctccca      300
ctccacggcg atgtcgctgg ggtagaagcc ttgaccagg caggtcaggc tgacctgggt      360
cttggtcacg tcctcccggg atgggggcaa ggtgtacacc tgtggttctc ggg          413
```

<210> 1652

<211> 444

<212> DNA

<213> homo sapiens

<400> 1652

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ggaggcctaa atggaatggg aatcccagag cagtggctat ggtgtgagta gacctctgca      60
gactgttatt ggatctcaga tctctgcagt gctggggact gtcacgcgcg tctgtgatgg      120
tccagggggc ttccaaggcg attgggcagt gtcgggtctc agctgctaag ccgagcagat      180
gtgggaagaa gtcagccaag gaacgttggg ttgagctcc aggagcttta ggaatggtgg      240
cgatgtgagt cggacagtcc aacctccagt gggggccac acagacaggg cacggcctag      300
gaggaatccc gagctgtggg cattctcagg ccagtgggc aggcttttgg catttgaagc      360
caggtccacg aggaggtttt gaaggagccc ctgggaatgt ggcttgatg ttctgaagtt      420
tttgtgtgct ggaaacgtgg ttgt          444
```

<210> 1653

<211> 248

<212> DNA

<213> homo sapiens

<400> 1653  
aagaattaag aagcaaagac tcaggtggac tgaaggccgc tatgatcgaa ttggtggaaa 60  
ggttgaagtt caagagctca gaccctaaag taactcggga ccaaatgaag atgtttatac 120  
agcaggaatt taagaaagtt cagaaagtga ttgctgatga ggagcagaag gcccttcac 180  
tagtggacat ccaagaggca atggccacag ctcatgtgac tgagatactg gcagacatcc 240  
aatcccac 248

<210> 1654

<211> 516

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (504)..(504)

<223> n=unknown

<400> 1654  
cttttagtgag tcaggacaat cctaacctag aagcatatat gcctgggagc ttcttggcct 60  
caaaggaata aatcttttca cagcattcac aggactgaaa aataatataa ataggattcc 120  
tacagtaaac aagtattggt tctgtttcaa aaccatcctg caagcataac aatcagctgg 180  
tcctaaagcc tgtaatacgt acacaggtca caggcagaca ggcaggcagg aaaagggatt 240  
ttccccagtg caggctcctt tggttctgcc tcagaggcac tagaagtcta ggccctgggt 300  
taacagcaac ccagagtctg cttggatatg gttctagttg tatgcttcgt aagtgaacac 360  
caaaatacca taaaggtaga ggagagtga cacataaccc acttgcaaat aagaattacc 420  
ttgcaagatt cctatTTTTT tatcttaaca gtctatgcgt atgaacattt tattctataa 480  
tataactttt atataaaaaat aggnatctt atgact 516

<210> 1655

<211> 363

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (59)..(66)

<223> n=unknown

<400> 1655

ataattatta tatgtaactg aagcaaccta cttttgaaaa tcaactgtat tgggtagtng 60  
nnggnnggag ggaagggcct tgggaagggg atgaatatct ctttttacct ttaacagact 120  
tgtttaactct tctcgatgta gatgtttatg taggtacttc acattgcaaa cgccttttat 180  
tctattttaca agctcagatg tctctgctct cctgaatctt gggcatgcct ttctgtaacc 240  
aaaaatccct gtaggcgtgc tagcaattcc aggggtggctc gggtttggca gatttgattt 300  
ttaaaaaacg tattatcttt aataaaatgt tattatgtca accagtgagg ctgccctgaa 360  
caa 363

<210> 1656

<211> 478

<212> DNA

<213> homo sapiens

<400> 1656

aagtatttaa agtgtgtgac tcctttctta tagagccagc aagctgtatt ggaatcactt 60  
ttccagtggt gtaaagtta tttttgtggg tcagtcagta tactcgtgaa tgacagaaaa 120  
acagatccca acaatgcaaa gtattatatg tgtaaaaaag aacagaaaaa agaagctgcc 180  
ttgttagtaa cgggctctat gggttttctc atcaagaggt catgacgcca gtcagatcac 240  
actagccttg ggcacagctg cctcctaccc cagggcctgc caggctctcg gggccatgct 300  
gtccaaagga gccctgaacc ctgctgacat caccgtcctg ttcaagatgt tcacaagcat 360  
ggaccctcct ccggttgaac ttatccgcgt tccagccttc ctggacctgt tcatgcagtc 420  
actcttttaa ccaggggctc ggatcaacca ggaccacaag cacaatatca tccacatc 478

<210> 1657

<211> 479

<212> DNA

<213> homo sapiens

<400> 1657

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aaattaagac aattacaata aaacatcagc taactgggtt cttgtgagaa aactgaggtc 60
agcttgaaaa ggagttcccc gagtggagtt cccagcggcc cgcggtgac ggccagatct 120
gtcctgaggg gtcgtgggag cccagcgcct gccttgaggg aaatgaacac tgaaaacagg 180
atttgggagc agtattggat tgacagcaga gaagggactg tttgtaaggg cagtttctca 240
ctgaagctgc taccattttc ctttgtaaag aagtcacca cctcctccca gcggtgcccc 300
ttttcaagac gctgcccagag cctcttaaaa cagcttcttg aaagggtttt tccacaacgg 360
gttctggaat gttctgcttc agctctggag gatgctctaa attagttcac catgatgaag 420
ttagatttgc agtgagctat aaactccgtc acagggtcat gctcgcttc cgtttgatg 479
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<210> 1658

<211> 588

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (475)..(475)

<223> n=unknown

<400> 1658

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ggaaactggc ccagcagatc aagcaggaag tgcggcagga ggtagaagag tgggtggcct 60
caggcaacaa acggccacac ctgagtgtga tcctggttgg cgagaatcct gcaagtcact 120
cctatgtcct caacaaaacc agggcagctg cagttgtggg aatcaacagt gagacaatta 180
tgaaaccagc ttcaatttca gaggaagaat tggtgaattt aatcaataaa ctgaataatg 240
atgataatgt agatggcctc cttgttcagt tgcctcttcc agagcatatt gatgagagaa 300
ggatctgcaa tgctgtttct ccagacaagg atgttgatgg ctttcatgta attaatgtag 360
gacgaatgtg tttggatcag tattccatgt taccggctac tccatggggg gtgtgggaaa 420
```

taatcaagcg aactggcatt ccaaccctag ggaagaatgt ggttgtggct ggaangtcaa	480
aaaacgttgg atgccattg caatgttact gcacacagat ggggcgcatg aacgtcccgg	540
aggtgatgcc actgtttaca taccctcatc gatatactcc ccaaagag	588

<210> 1659

<211> 578

<212> DNA

<213> homo sapiens

<400> 1659

ccctttaatc agaaagtctg attaaattca atagtaactc aaactcttaa aaaatttctg	60
gaaaagtcaa caggatacat acatcacaga aaagcaggca gctgctgaca gttctttggg	120
ggaaaagtaa gttgcgtact tacccaagct gcccaaata ttatcaagcc aagtttggtt	180
ttcaaaaata ggttttaaga tacaccaaag aaactataca atacaaaaat ttaacaatga	240
agttaaagta tatagcaaaa gccaaatatg acaacacaca tgtataatgt agaaaagaat	300
cctttcagtc ctagaaaact aaaatgggga gaacttactg aagggttaaca tacataaaat	360
gagtactaat agcaaggaat aatcctaaac attttcccaa taaactgact aagcctcaaa	420
aggacagctt aggaaaatga ttaacatgca gtttttcttt tttcctagcc aattcagttc	480
tacttagata aatctgggtg ccaatcaata catatataaa ttaatttttt tctgctccaa	540
ttactaccat tttttctttt caccttttcc ctaatttt	578

<210> 1660

<211> 395

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (342)..(380)

<223> n=unknown

<400> 1660

tgttgatgta gccaaagtta catcaagtcc aggggttaagt acagaagatc taaagcggga	60
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agccagtatc tgtcatatgc tgaaacatcc acacattgta gagttattgg agacatatag	120
ctcagatgga atgctttaca tgggttttcga atttatggat ggagcagatc tgtgttttga	180
aatcgtaaag cgagctgacg ctgggttttgt gtacagtga gctgtagcca gccattatat	240
gagacagata ctggaagctc tacgctactg ccatgataat aacataattc acagggatgt	300
gaagccccac tgtgtttctc ttgcctcaaa agaaaactcg gnnacctgtt aaaacttgga	360
ggctttgggg tagctattcn aattagggga gtctg	395

<210> 1661

<211> 496

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (281)..(281)

<223> n=unknown

<220>

<221> misc\_feature

<222> (413)..(492)

<223> n=unknown

<400> 1661

gtcaaaactgt cctgtagtt atcattttta aggaatttac agggctgtta tagatgattc	60
ttttggaata tttcagttta tagcaaatgc ctaaaactgg ttcttcattg cacagtattt	120
tctcttaaaa tgggtgcttt aaaacaatta catacagatt aaaaatcatt tctttgctta	180
attaaaacgt taatactctt agacaacaca gatctgaaat ggtgaaacca gcaattcccc	240
ccaccccacc ttacaacaaa ttaaattgag acaaaattac naacacattt cactacatga	300
ttattattaa taaaaatcag tttctttttt tttataaagt tgcccaaat gcaagggatg	360
tgcataggtt tacaacttag tcataatagc attttattct tattccctg gngtgcccc	420
angaanggga tgtagnangt actttgctgn agattanagn ttgttttgn caacacagac	480

acaccggcag cntaaa

496

<210> 1662

<211> 454

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (442)..(442)

<223> n=unknown

<400> 1662

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aagtcttggc cttcaggagt ttgacattgc caggaacgtt ctagaactga tctatgcaca	120
aactctggtg tggattggca tcttcttctg cccctgctg ccctttatcc aaatgattat	180
gcttttcatc atgttctact ccaaaaatat cagcctgatg atgaatttcc agcctccgag	240
caaagcctgg cgggcctcac agatgatgac tttcttcatc ttcttgctct ttttcccatc	300
cttcaccggg gtcttgtgca ccctggccat caccatctgg agattgaagc cttcagctga	360
ctgtggcct tttcgaggtc tgcctctctt cattcactcc atctacagct ggatcgacac	420
cctaagtaca cggcctgggt anctgtgggt tggt	454

<210> 1663

<211> 597

<212> DNA

<213> homo sapiens

<400> 1663

ttagcaacag tttctaaacc tttgccaggt ctgggaagtc tggcaggaga gatttctaag	60
aaccaatcat tctgcacac atttcttgaa gataatatac attattccct agttatctct	120
tcctaggttt ttgtaggctc atttcaatat tacaacaatc tttattggaa aaccccaagt	180
attttgtctt gaaaaatcag caatccaggt attaaaaata gcatggaatg cccaatttta	240
ctttgataat tacatggtag tcagtttccg ctctgggcta aagccttgga ttttcttctg	300



ggcagttcct aaaggcacag gtggcatgga agaaatcatt ccattttcat ctcctcccct	360
tatttgattg gtgtctggtt accaaaagag tcatcaggcc cttggattac cttcttgaac	420
tgatcttcta gatcgcaagt caagactgcc atcatgttcc cccaaatgca aaaagccttg	480
ttgctccacc tctctccttt ccagaacaag tgagctgggg tttgctttct tctccatata	540
ctgcagcttg atcaattttt ctatcaggaa cattttatct ttgccctcat taatgat	597

<210> 1664

<211> 427

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (330)..(422)

<223> n=unknown

<400> 1664	
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aaggagatga tgcttttagaa aaaagatttc ttgataaagc tcttgaactc aatatgttgt	120
ccttgaaagg gcataggtct gtgggaggca tccgggcctc tctgtataat gctgtcacaa	180
ttgaagacgt tcagaagctg gccgccttca tgaaaaaatt tttggagatg catcagctat	240
gaacacatcc taaccaggat atactctggt cttgaacaac atacaaagtt taaagtaact	300
tggggatggc tacaaaaagt taacacagtn tttttctcaa atgaacatgt ttattgcaga	360
ttcttctttt ttgaaagaac aacagcaaaa catcccacaa ctctgtaaag ctggtgggac	420
cnatgtc	427

<210> 1665

<211> 573

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (23) .. (23)

<223> n=unknown

<400> 1665

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tactgacaat agataaaciaa tangggaaaag acttttcagc aaagtatcac tctcgtagtc      60
atacattaca aagaaaacag tagagaaciaa aggatagggt aatttaacag aaatgttttag    120
tttaatggca taattgaaaa acaaccaacc aatcaacttt ctcttctacc tatggaaaga      180
atggtaaaaa tgaatcaaga acttctaggt ctttttcata aaacagctta aaaagaggaa      240
ggcgaagact ggggaggggg tacaactctt gctaattgaa tgctataatg cacaagggtca     300
aggatttaat aaattctaaa agtgtctaca tatatcagtg ataactgtat tattagaaat     360
ataaatgtat agaaatataa agtatatggg attaaaaaca gaccttgcta atataaacat      420
atataaagta tgtcacttct cctgtaataa cagcataaag atcgatctac agtttgccct      480
tcgcctggca ctcttaaacc actcctccaa tgggccatgt tgaccttgaa tcaacagccg      540
ctgaaccag gagacccac agatgtgtag att                                     573
```

<210> 1666

<211> 498

<212> DNA

<213> homo sapiens

<400> 1666

```
caaacagtac cagattcctg acgtcagaga catatttgct caacagagag aatcaaaaaga      60
aacagctcca ggtggcactg aatcgcagtc acttagaaca aatgaaaaca aataccaagg     120
aagagatgac gaggcattct accttggttg tgaagagaag ctgatccac ctgaggagac      180
gcctgccctt gaaacagaca tcaacctgga ggtatcattt gccgagcaag cactcaatca      240
gaaagagagc tccaaggaga aaatccagaa gagcaaaggc gatgatgcca cattacctag      300
tttcagattg ccaaaagaca aaacgggtac cacaaggatt ggtgacctcg cccccagga      360
catgaagaaa gtttgccatt tagccctaatt tgagctgact gccctctatg atgtattggg     420
tattgagctg aaacaacaaa aagctgtgaa aatcaaaaaca aaagattctg gtcttttttg     480
cgttccattg acagcgta                                     498
```

<210> 1667  
<211> 341  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (12)..(42)  
<223> n=unknown

<220>  
<221> misc\_feature  
<222> (201)..(341)  
<223> n=unknown

<400> 1667  
actcagcaag anttangaca gaagtcacaca tggttatctg cngcttggtta agtcttctac 60  
aatggctttg actttataac ccactcagca tttgggttaa gctgatataa atccttcatg 120  
taagtgtcat catcaaggca gcgttcccca atatttcctc caatttcatc acaaaaaaac 180  
ttctcctttc ttgagagtct nggcaacccc actttcttgg cngagaaacc tggcaagtac 240  
atcantggnt tttagttctt cagttagctg tantgccang gaaactttcg aaagatgggg 300  
nncttgcact cgaatcactc cntgaggaac gtcagcatca n 341

<210> 1668  
<211> 493  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (160)..(160)

<223> n=unknown

<220>

<221> misc\_feature

<222> (454)..(466)

<223> n=unknown

<400> 1668  
gcttcctcaa gaattcacat ttatggccga tactcccaag aacctataaa aaccttttct 60  
cgatttaaag acacagcata ctgtgctact tttcgacaag atggttagatt gcttgtggct 120  
ggcagtgaag atggtggagt tcaacttttt gatataagtn ggagggctcc cctcaggcag 180  
tttgaaggcc atacaaaagc agttcatata gtagatttta cagctgacaa atatcacgtg 240  
gtctctgggg ctgatgatta tacagttaaa ttatgggata ttccaaactc caaagaaatt 300  
ttgacattta aagaacactc tgattatgtg aggtgtggat gtgctagcaa acttaatccg 360  
gatctcttta taacaggatc atatgatcat actgtgaaga tgtttgatgc acgaacgagt 420  
gagagtgttc tctccgttga gcatgggcag ccantggaga gtgtentact tttccctct 480  
ggaggcttct ggt 493

<210> 1669

<211> 512

<212> DNA

<213> homo sapiens

<400> 1669  
acaaggcttt gctccttttag caggattccc agttggaccc tctccagaga ggattcatat 60  
ttgaattccc atctgaatac caacccaaat gttgatacag aacactcctg tattaataatt 120  
aatatccatc ccagataaac ctactctgtg actaagacaa ttgagatctt ctaggtgaag 180  
atgctataat tcaaaatatt acatggaaaa ccatgtctta cttaaaacgg gtacttgttt 240  
tccggccata attattccag tctcttccac agaactgctt ctgcaaacag tttttttaat 300  
gtatcaaaga gagtctctcg ccaacattta atacagtcaa atctattcca acttcagagt 360  
tcttatatgt cttatttagc agacactatg attctatctt cttattctct ggaaatccat 420  
cagatgtgtg ttccaacaca gaagtgcctt ccttccttct catggtggca aaaagcatat 480

ccatcatccc caaggtttct aacaattctc tt

512

<210> 1670

<211> 427

<212> DNA

<213> homo sapiens

<400> 1670

atcacggctg cttttgttta cgtggcccct gctctcacc acaactccag gtttctggct	60
ctcgggaatt tgaggcctgt ggctgctgtg gaccctggga aagagcctgt gcttcctgag	120
ccagtgcggg gcctggcatg gacttcctca tcgtcctggg ctgcctcacc ttcagcgtgc	180
tgtccaccat cgagcagtat gccgccctgg ccacggggac tctcttctgg atggagatcg	240
tgctgggtgg gttcttcggg acggagtacg tgggtccgct ctgggtccgc ggctgccgca	300
gcaaacctca tcgtggctgt ggcctccatg gtggctcctt gcgtgggctc caaggggcaa	360
gtgtttgcca cgtcggccat caggggcatc ccgctttcct gcagatcctg aggaatgcta	420
acaacgt	427

<210> 1671

<211> 410

<212> DNA

<213> homo sapiens

<400> 1671

tcaaaatcac accgtgaaac tcattaaaac acagatccaa atcaccacaa attattgatt	60
tctatgagac gtaatgcccc gaaggaaccc ctgtcctgtg taggaaccgt cacttctctg	120
cggctcagca gctggcaagg ggaggtggca gtcccccttct gtgtgtttgg ctggctgctg	180
ggactgggag aggggttggg ggcgggagcc ccacgcacag tgggctcagg ggcggagagg	240
cagggctcct ctccagctag gaagagctgg cagtctaacc cagggagtg ggcgttcccc	300
ccactcaacc acgtgcctg gggaaatggg gagactgtcc ctctgctgg aagctggggg	360
ctcaggagca gtctccacag tctctgcccc tgggtcagca tttctgagag	410

<210> 1672

<211> 360

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (286)..(286)

<223> n=unknown

<400> 1672

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agctcttcaa gctgctgaag gagggccacc gcatggacaa gcccgccaac tgcacacacg      60
acctgtacat gatcatgcgg gagtgtctggc atgccgcgcc ctcccagagg cccaccttca     120
agcagctggg ggaggacctg gaccgtgtcc ttaccgtgac gtccaccgac gagtacctgg     180
acctgtcggc gcctttcgag cagtactccc cgggtggcca ggacaccccc agctccagct     240
cctcagggga cgactccgtg tttgcccacg acctgtgcc cccggnccca accagcagtg     300
ggggctcgcg gacgtgaagg gccactggtt cccaacaatg tgaggggtcc tagcagccac     360
```

<210> 1673

<211> 452

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (426)..(426)

<223> n=unknown

<400> 1673

```
tgggttaaca aaatcgcacc tgccggtttg ggtgacacct ctggccacca tgcactgggc      60
cccaagaaga gaccacctg agccatggcc ctgcaggcaa gcaaggga gctgcccaga     120
ctcaggcccc agtaacagta cagaacgaac caactgaatt cacggcttcc ctccaagctt     180
tgaaaggtag cagtccaggc tataaaactc tagaagcatt gcgtaagaag tgttaagtct     240
acaacaaata catcttgtaa aaactcaata aattatatat atagatatat ataaacttgt     300
```

aacatctaataacatcggaacctgcacacagggccggcccctccctggaaaccgtctccc360  
 tgcctgggacacacagcaattagaagaatttgtatgaaaaaccagcttgctttgaagtc420  
 caaanataaatctctctaaa gaaaaatcctat452

<210> 1674

<211> 415

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (55)..(119)

<223> n=unknown

<220>

<221> misc\_feature

<222> (369)..(369)

<223> n=unknown

<400> 1674  
 gccggctggtggaagagtggggaccagaaa gagaatttgc tgaagaggag aaggnnnnnn60  
 nnnnnnnnnnnnnnnnnnnnnnnnnnnnnntccacacacac aaaaaaacct gcgcgtgang120  
 ggggaggaaa agcagggcct tttaaaaagg caatcacaac aacttttgc gccaggatgc180  
 ccttgctttg gctgagagga tttctgttg caagttgctg gattatagtg aggagttccc240  
 ccacccagg atccgagggg cacagcgcg ccccgactg tccgtcctgt gcgctggccg300  
 ccctcccaaa ggatgtaccc aactctcagc cagagatggt ggaggccgta agaagcaca360  
 ttttaaacna tgctgcactt gaagaagaga cccgatgtca cccagccgg ttacc415

<210> 1675

<211> 421

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(409)

<223> n=unknown

<400> 1675

```
cttanaaatt tcttcattnt nccactgtct tctctggaca actcttnctc cctttccccc 60
tggtgctgggc aantctatga gcacccacac tcctccacga tcatgttctg aatgtccttt 120
ttgatgatgt ttnaccatc atcatagtac nacatggaca tgggtctcag cttggtngnc 180
acanagcacg atttgaggtg ggcnaagggg ctatggnccc gcatgcggta gtggttgatg 240
actgttnagt ngaangacag tgaggacccg gangtgcttg ctatatggct cggncactca 300
ccctcgagcgt anttgncatg atagccagag ngatcaatna tccagtcatt ccagccgntg 360
tccttgaaac tgnacanagaa ctttttctna cagcagatgt tnaccttgnc atcacactcc 420
a 421
```

<210> 1676

<211> 493

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (359)..(445)

<223> n=unknown

<400> 1676

```
cagccgaggg ccatcgccctt ggaccccgcct cacgggtaca tgtactggac agactggggt 60
gagacgcccc ggattgagcg ggcagggatg gatggcagca cccggaagat cattgtggac 120
tcggacattt actggcccaa tggactgacc atcgacctgg aggagcagaa gctctactgg 180
gctgacgcca agctcagctt catccaccgt gccaacctgg acggctcggt cgggcagaag 240
gtggtggagg gcagcctgac gcaccccttc gccctgacgc tctccgggga cactctgtac 300
```



tggacagact ggcagacccg ctccatccat gcctgcaaca agcgactgg ggggaagang	360
aaggagatcc tgagtgcct ctactcaccc atngacatcc aggtgctgag ccaaggagcg	420
gcagctttct tccacactcg ntgtnaggag gacaatggcg gctgcttccc aactgtgcct	480
gctgtcccaa gcg	493

<210> 1677

<211> 233

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (28) .. (30)

<223> n=unknown

<400> 1677

aggcggtaaa aggtagaaaa acagagtnnn ggccaggaag ggagtcggag ccttctagtg	60
tctctctgca ggtgagcggc agcccgaggt gtcagctcag cagacttggg gtccaggggc	120
cgtgtcttct atcaactgacc ccagggcaca cggaactgcc ttacacgtcc tgccgttgtc	180
ctgcagctgc acaccctgg ggcaggcgca tgtgtagaaa ggctcgcttg ggg	233

<210> 1678

<211> 394

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45) .. (45)

<223> n=unknown

<220>

<221> misc\_feature

<222> (200)..(344)

<223> n=unknown

<400> 1678

```
cgcagaagct acagattctc gttgacactg gaagcagtaa ctttnccgtg gcaggaaccc 60
cgcaactccta catagacacg tactttgaca cagagaggtc tagcacatac cgctccaagg 120
gctttgacgt cacagtgaag tacacacaag gaagctggac gggcttcggt ggggaagacc 180
tcgtcaccat ccccaaaggn ttcaatactt cttttcttgt caacattgcc actatTTTTg 240
aatcagagna tttctTTTTg cctgggntta aatggaatgg aatacttggc ctagcttatg 300
ccacacttnc caagccatca agttctctgg agantctctt cgantccctg gtgacacaag 360
caaacatccc caacgttttc tccatgcaga tgtg 394
```

<210> 1679

<211> 325

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (258)..(258)

<223> n=unknown

<400> 1679

```
gacaagttgt atctggtaga ccagaaggcc aaagaaatca ttcccaaggc tgacattccc 60
agcccaagaa aagagtttag tgcatgtgcg attggctgca aagtgtacat tactgggggg 120
cgggggtctg aaaatggggt ctcaaaagat gtctggggtt atgataccct gcacgaggag 180
tggtccaagg ctgcccccat gctgggtggc aggtttggcc atggetctgc tgaactgaag 240
cactgcctgt atgtggtnng ggggcacacg gccgcaaact ggctgccctc ccggcctccc 300
cctcagtctc tctaaaagca ggtag 325
```

<210> 1680

<211> 431

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (104)..(402)

<223> n=unknown

<400> 1680

```
ataggtccaa gaacaattgt ctctggacgg cagctatgcg actcaccgtg ctgtgtgctg      60
tgtgacctgct gcttggcagc ctggccctgc cgctgcctca ggangcggga ggcattgagt      120
agcnacagtg ggagcaggct caggactatc tcaagagatt ttatctcnat gactcagnga      180
caaaaaatgc cnacagttta gaagccaaac tcaaggagat gcaaaaattc tttggcctac      240
ctataactgg aatgttaaac tcccgcgtca tagnggataa tncagaagcc cagatgtgga      300
gtgccagatg ttgcagaata ctactatatt ccanatagcc caaaatggga cttccaaagt      360
nggcacctac aggattcgta tgatattacn cgaggactta ancgcatatt tacagtggat      420
tcgattagtg t                                     431
```

<210> 1681

<211> 472

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (194)..(213)

<223> n=unknown

<220>

<221> misc\_feature

<222> (418)..(418)

<223> n=unknown

<400> 1681

```
gtaacattta ttgacatcta cccactgcaa gtatagatga ataagacaca gtcacaccat      60
aaaggagttt atccttaaaa ggagtgaag acattcaaaa accaactgca ataaaaaagg      120
gtgacataat tgctaaatgg agtggaggaa cagtgccttat caattctgat tgtgcaacaa      180
tgatatacaa tccnnnnnnn nnnnnnnnnn nnnttctgcc tgaagtttct atttctttct      240
tgaattactt ctctttccat atagtttctg aatgccttta atatcatcct gggaaagttt      300
aaaattttgg ggatctccat ttccataggt tggatacatc actgcattag gatcagagga      360
atgtcccata cccaaagaat ggccaagttc atgagttgca gcatacagga agttaatncc      420
tagactgcta ccaatccgtc cagcgttcat cctcatcgaa gtgagcatct cc              472
```

<210> 1682

<211> 262

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (51)..(220)

<223> n=unknown

<400> 1682

```
cgctggtgtc atctgctcag ccacccaaat aaattctact acgacagatt ngtggtcatcc      60
aacaactaca accactgcaa naccctcttc aaantgtggt ggcntcttat tctatgccag      120
tgggnnattc tccagcccat cctaccctgc atactacccc aacaatgcta agtgtgtttg      180
ggnaatagaa gtgaantctg gttatcgcat aaacctgggn ttcagtaatc tgaaattgga      240
ggcacaccat aactgcagtt tt              262
```

<210> 1683

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (395)..(395)

<223> n=unknown

<400> 1683

```
tgctaagaag taagtattga cattttcatt ttgcagatga gaagcatgga ttctgggacg      60
tcagggtctat gggccatcca ggtcagaact ctcttgacct caccctgcaa cgggtcctcc      120
aaggaccatg agccttgggg gaggcgggaa ccagggtctga ttcaactccg tatgaccagg      180
tgcagcaciaa tgtagggctc aatctgagtt ggaatatgac accaagagga acatcccaag      240
tccccgagtc aggggtctgc gccccggtgg acagtggggt ctgagagcga ccacctaccg      300
aggctccctc ttctcggcgt ggggggggtct gcagctggat gggacccagg acgacgtcca      360
ccttttctctg gtaggagccc acatccctct tcganctcaa cacacagcct cggtagcagc      420
gggaagaggg gtcatacgct ctgcacacca ccattttaca acgcaggtac accggagggg      480
aagcggttca ggaagtgga                                     499
```

<210> 1684

<211> 380

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (172)..(172)

<223> n=unknown

<400> 1684

```
aaggaaattg acatctcctg tgtcaaaatt gagcaggtga tcggagcagg ggagtttggc      60
gaggtctgca gtggccacct gaagctgcca ggcaagagag agatctttgt ggccatcaag      120
```

acgctcaagt cgggctacac ggagaagcag cgccgggact tcctgagcga anctccatca	180
tgggccagtt cgaccatccc aacgtcatcc acctggaggg tgtcgtgacc aagagcacac	240
ctgtgatgat catcaccgag ttcatggaga atggctccct ggactccttt ctccggcaaa	300
acgatgggca gttcacagtc atccagctgg tgggcatgct tcggggcacc gcagctggca	360
tgaagtacct ggcagacatg	380

<210> 1685

<211> 461

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (323)..(428)

<223> n=unknown

<400> 1685

tcttggtgac gtctcgtggc tggcaccgct tggttcttcc cgtggcccgt ggcctcctgg	60
cgagtggctg gccctgcagt ggatagagca ccaggagggc cggcacgtgg ggcagagggg	120
gcggggcttg gaggaagagg tgagccgagg cagggtgaatg tcaaacctcc acagactgaa	180
tctggttcat ctgcgccgc atcacctgga tactgttcag gatttttttc tgggtggccag	240
ccaaagtgac cccaaccgg agaatgtcct ccatcatcat ctgagacacg acgtcaaagg	300
aggtgaagcc ggcattggcg aantctcctt gtactgcccc atcttgatgg cctccaanca	360
ctcgtccacc gtgttaaact ggtgtagtcg gggatcgtgc ggtccagcag cggcaggttg	420
atgcaganga gaagggcgcc atggctttga agctgttggg a	461

<210> 1686

<211> 350

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (127)..(195)

<223> n=unknown

<220>

<221> misc\_feature

<222> (314)..(319)

<223> n=unknown

<400> 1686

agcaggtgga ggccttcctg cgagaggggc tgctcatgcg tggcctgaac caccgcgaatg 60

tgctggctct cattggtatc atgttgccac ctgagggcct gcccacatgtg ctgctgccct 120

atatgtacca cggtgacctg ctccagttca tccgctcacc tcagcggaac cccaccgtga 180

aaggactcat cagcmttggc tgcaagtagc ccgcggcatg gagtacctgg cagagcagaa 240

gtttgtgcac agggactggc tgcgcggaat gcatgctgga cgagtcattc acagtcaagg 300

tggctgactt tggnttggnc cgcgacatcc tggacaggga gtactatagt 350

<210> 1687

<211> 439

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (32)..(32)

<223> n=unknown

<400> 1687

cagtgttggg gtggctcactg ctgagtccac tntgcccaga agacagggtc cacagcaggc 60

actccataaa tacatgttgc aggactgccc tcaactggctc actctgtgga gtgaggggacc 120

taatgggccc catttaccta ttgcctctga aagttaaagg gcaggaacaa ggtggagggc 180

cactgccectc tggcctggca tggcccagag gcagcttggg gttagctcaa ggcagctaag 240

caggtccagc ccaagaacta agtcaagtgg gccgaggagg ctctgagagt ggccggggcc	300
ggcgtacatt ccctggcatg gggtgagaact gcggtgttc tggacgcaca ttcattcat	360
gcgaggtgct gggggccaag ttcattgtagg ttgctggcag tgcacataaa tgggtcccca	420
aagcagtgcg gacactatt	439

<210> 1688

<211> 476

<212> DNA

<213> homo sapiens

<400> 1688

ggagagtttg gggaagtgtg tcgagggacc ctgaggctcc ccagccagga ctgcaagact	60
gtggccatta agacctaaa agacacatcc ccaggtggcc agtgggtggaa cttccttga	120
gaggcaacta tcatgggcca gtttagccac ccgcatatc tgcatttga aggcgtcgtc	180
acaaagcgaa agccgatcat gatcatcaca gaatttatgg agaattggagc cctggatgcc	240
ttctgaggg agcgggagga ccagctggtc cctgggcagc tagtggccat gctgcagggc	300
atagcatctg gcatgaacta cctcagtaat cacaattatg tccaccggga cctggctgcc	360
agaaacatct tgggtgaatca aaacctgtgc tgcaaggtgt ctgactttgg cctgactcgc	420
tcctggatga ctttgatggc acatacgaaa cccagggagg aaagatccct atccgt	476

<210> 1689

<211> 411

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2) .. (62)

<223> n=unknown

<220>

<221> misc\_feature



<222> (184)..(270)

<223> n=unknown

<220>

<221> misc\_feature

<222> (372)..(372)

<223> n=unknown

<400> 1689

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annaaccncn nananncnnn cnnaggtant nnntaaattn nangcncang ctctngncn      60
ancccagctt tcagagccca caagcagact gtacaaagtc aataatttaa aacccaaacc     120
ctgggcacag tgcttgaag tgtcagggtc acccactccc cttaagttag ccactataca     180
tgtncatctt ctgacaggcg gggccaggac agacgccagg cacaggaatc agggcctggg     240
gtccctggac cacagccacc cctccccctn gctccccact gtccctggg gcttgggaga     300
ggcagactgc tcagaggaaa taacctcaac aaataaatta aacaataaat agccccggtg     360
ggccgagggc anctccaggg ggtcacacca taaataacag agtttggcgg c              411
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<210> 1690

<211> 477

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (296)..(296)

<223> n=unknown

<400> 1690

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ggtttgccgc catctacagg aggcaccggg ggggctctgt cacctacgtg tgtggaggca      60
gcctcatcag cccttgctgg gtgatcagcg ccacacactg cttcattgat taccxaaaga     120
aggaggacta catcgtctac ctgggtcgct caaggcttaa ctccaacacg caaggggaga     180
tgaagtttga ggtggaaaac ctcacacctac acaaggacta cagcgctgac acgcttgctc     240
```

accacaatga cattgccttg ctgaagatcc gttccaagga gggcaggtgt gcgcancatc 300  
 ccggactata cagaccatct gcctgccctc gatgtataac gatccccagt ttggcacaag 360  
 ctgtgagatc atggcctttgg aaaagagaat tctaccgact atctctatcc ggagcagctg 420  
 aaaatgactg ttgtgaagct gatttcccac cgggagtgtc agcagcccca ctactac 477

<210> 1691

<211> 281

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (225)..(241)

<223> n=unknown

<400> 1691  
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 ggctaaaagg aagggataac tggccaagaa agggacatct atgtgaaagt gaaactgaga 120  
 cagtgtctgt cacaggatcat gctgcagaat aatacatctc caggcactgt cacgtggggg 180  
 acccaaaagg cccaagagt gacctataac ctctccagaa gaccnntctg tgtggcatca 240  
 nagtccacca cagtttaagg aaatatttag gacttaacaa t 281

<210> 1692

<211> 496

<212> DNA

<213> homo sapiens

<400> 1692  
 gatgattccc tgtgggacaa gcacgcgtgc ccagcctacg tgggacctga gatactcagc 60  
 tcacgggcct catactcggg caaggcagcc gatgtctgga gcctgggcgt ggcgctcttc 120  
 accatgctgg ccggccacta ccccttcag gactcggagc ctgtcctgct ctteggcaag 180  
 atccgccg cg. gggcctacgc cttgcctgca ggctctcgg cccctgcccg ctgtctggtt 240  
 cgctgcctcc ttcgtcggga gccagctgaa cggctcacag ccacaggcat cctcctgcac 300

ccctggctgc gacaggaccc gatgccctta gctccaaccc gatcccatct ctgggaggct	360
gcccaggtgg tccctgatgg actggggctg gacgaagcca gggaagagga gggagacaga	420
gaagtggttc tgtatggcta ggaccaccct actacacgct cagtgccaac agtggattga	480
gtttgggggt agtcca	496

<210> 1693

<211> 452

<212> DNA

<213> homo sapiens

<400> 1693	
gggagaagct gctggtcgga ctcacaatga aaacgctcct tcttttgctg ctggtgctcc	60
tggagctggg agaggcccaa ggatcccttc acagggtgcc cctcaggagg catccgtccc	120
tcaagaagaa gctgcgggca cggagccagc tctctgagtt ctggaaatcc cataatttgg	180
acatgatcca gttcaccgag tcttgcctaa tggaccagag tgccaaggaa cccctcatca	240
actacttga tatggaatac ttcggcacta tctccattgg ctccccacca cagaacttca	300
ctgtcatctt cgacactggc tctccaacc tctgggtccc ctctgtgtac tgcactagcc	360
cagcctgcaa gacgcacaga ggttccagct tcccagtcca gcacatacag ccagccaggt	420
caatctttct ccattcagta tggaaccggg ag	452

<210> 1694

<211> 498

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (445) .. (445)

<223> n=unknown

<400> 1694	
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tggttactac ctaggaaacc ccgcagagtt tcatgattct tcagatcatc acacctttaa	120
aaagatgctg ccacgtgatg agagaagatt caaagctgca gacctcaatg gtgacctgac	180
agctactcgg gaggagttca ctgcctttct gcatcctgaa gagtttgaac atatgaagga	240
aattgtgggt ttggaaaccc tggaggacat cgacaagaac ggggatgggt ttgtggatca	300
ggatgagtat attgcggata tgttttccca tgaggagaat ggcctgagc cagactgggt	360
tttatcagaa cgggagcagt ttaacgaatt ccgggatctg aacaaggacg ggaagttaga	420
caaagatgag attcgccact ggatnctccc tcaagattat gatcacgcac aggctgaggg	480
ccaggcatct ggtatatg	498

<210> 1695

<211> 514

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (451)..(451)

<223> n=unknown

<400> 1695	
ccttacaagg tgaaatttca atctgtacag gttgtgtctg ccagttcagt ccacagctca	60
gagtatcacc ttgtcctcat tccatggat aagctgttgc gggggggcag gtctgcgggt	120
cgtggattca ctggactgga tgggacatga tccagaactc cgctccgttt ggcttcccaa	180
ggatcccacc aactcattct aatcagtgat cactgaggaa atgcattgta ttctattca	240
ctatttcaaa gatcaggcct acctcattgg catattaaga aagttttctc aagtatattt	300
agtgtttatc attttactat agttcttcaa atgtctgaca ttcattttt ccctacctct	360
aaattccttt ctttttcaca ttatctttct tgattgcttt ttaatagaaa aacaacaaaa	420
gacatggatt tactgtgcat attagcagat ncatactgga aaatgcatgg agggttcata	480
tacaccactt acagtaagta ataactcaga gtat	514

<210> 1696

<211> 406

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (393)..(393)

<223> n=unknown

<400> 1696

atcctgggcg acccagaagc cctggagaga cctgctgaac aaccacatct tgaagtcagc 60

tatgtgtgct gaagccatcg ttgcggggct gtctgtagag accctggagg gcacgacact 120

ggaggtgggc tgcagcgggg acatgctcac tatcaacggg aaggcgatca tctccaataa 180

agacatccta gccaccaacg gggatgatcca ctacattgat gagctactca tcccagactc 240

agccaagaca ctatttgaat tggtgcaga gtctgatgtg tccacagcca ttgacctttt 300

cagacaagcc ggcctcggca atcatctctc tggaagtgag cggttgacct cctgggtccc 360

ctgaattctg tattcaagat ggaacccctc canttgatgc ccatac 406

<210> 1697

<211> 441

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (64)..(64)

<223> n=unknown

<220>

<221> misc\_feature

<222> (195)..(435)

<223> n=unknown

<400> 1697  
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ccanaaaagc ctccaagcca cgtgtagatg tgagacacat ttgacagaac atttcaactc 120  
atagcttata atgatgccat ttctccagct gtgcaagggc tttacaaaaa ctgtgccagg 180  
acttcccatg aggcnggatt gcttgattca tgtttnatga gcccacaata ctgaagctcc 240  
ttttccaggg acttggcata ggcagtcaat tccacatttg gganagggtcc tctctggaag 300  
tgaatgtcan gcagtgcacat ccaagtttct gcanncagtg ggntaacagc catgtttagg 360  
gggaacatga tttaaaaagt acatctctct cctcctctccc cccacatgca caaggctcac 420  
atctcantat ggtgngggccc a 441

<210> 1698

<211> 490

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (96)..(96)

<223> n=unknown

<220>

<221> misc\_feature

<222> (466)..(480)

<223> n=unknown

<400> 1698  
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gtactatagt gttcaacagc atcgccacgc tgcgcnacct gtgaagtgga tggcgctgga 120  
gagcctgcag acctatagat ttaccaccaa gtctgatgtg ggtcggcgcc tgccccagcc 180  
tgagtattgc cctgattctc tgtaccaagt gatgcagcaa tgctgggagg cagaccagc 240  
agtgcgaccc accttcagag tactagtggg ggaggtggag cagatagtgt ctgcactgct 300

tggggaccat tatgtgcagc tgccagcaac ctacatgaac ttggggccca gcacctcgca	360
tgagatgaat gtgcgtccag aacagccgca gttctcacc atgccaggga atgtaacgcc	420
ggccccggcc actctcagag ccttctcgg cccacttgaa cttagntctt tgggctggan	480
ctgcttagct	490

<210> 1699

<211> 525

<212> DNA

<213> homo sapiens

<400> 1699

ggtcagtgtt ggtgtggtca ctgctgagtc cactgtgccc agaagacagg gtccacagca	60
ggcactccat aaatacatgt tgcaggactg ccctcactgg ctactctgt ggagtgaggg	120
acctaattggg ccccatTTac ctattgcctc tgaaagttaa agggcaggaa caaggtggag	180
ggccactgcc ctctggcctg gcatggccca gaggcagctt ggggttagct caaggcagct	240
aagcaggtcc agcccaagaa ctaagtcaag tgggccgagg aggtctgag agtggccggg	300
gccggcgtag attcctggc atgggtgaga actgcggctg ttctggacgc acattcatct	360
catgcgaggt gctggggccc aagttcatgt aggttgctgg cagctgcaca taatggcccc	420
caagcagtgc agacactatc tgctccacct cccccactag tactctgaag gtgggtcgca	480
ctgctgggtc tgctccag cattgctgca tcaacttgta cagag	525

<210> 1700

<211> 474

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (90)..(90)

<223> n=unknown

<220>

<221> misc\_feature

<222> (428)..(469)

<223> n=unknown

<400> 1700

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gggcggcgga cgcgggggcg ctcactctggc tctgctacga cgcgctggtg cacttcgcgc      60
tggaaggccc ttttgtctac ttgtctttan taggaaacgt tgcaaattcc gatggcttga      120
ttgcttcttt atggaaagaa tatggcaaag ctgatgcaag atgggtttat tttgatccaa      180
ccattgtgtc tgtggaaatt ctgaccgtcg ccctggatgg gtctctggca ttgttcctca      240
tttatgccat agtcaaagaa aaatattacc ggcatttcct gcagatcacc ctgtgcgtgt      300
gcgagctgta tggctgctgg atgaccttcc tcccagagtg gctcaccaga agccccaacc      360
tcaacaccag caactggctg tactgttggc tttacctgtt tttttttaac ggtgtgtggg      420
ttctgatncc aggactgcta ctgtggcagt catggctaga actccagana atgc          474
```

<210> 1701

<211> 531

<212> DNA

<213> homo sapiens

<400> 1701

```
cttttccta tatcaccatt taattgaaca acaatacaac gaaaactggt cgccttaaaa      60
ccaatttgaa acaggttggt caggagcaac aatacaaaaa caaagtgtag actggaatgt      120
attacatttt ggccaaacaa aaagatttga ttcattctgg ttcatgaagt tagataatgg      180
tgtttatggt tttgaaagtt cactgaaact tcttcactga actggtttct ttctgatgca      240
ttttcttgag ttctagccat gactgccaca gtagcagtc tgggatcaga acccacacac      300
cgttaaaaaa aaacaggtaa agccaacagt acagccagtt gctggtgttg aggttggggc      360
ttctggtgag ccaactctggg aggaaggtca tccagcagcc atacagctcg cacacgcaca      420
gggtgatctg caggaaatgc cggtaatatt tttctttgac tatggcataa atgaggaaca      480
atgccagaga cccatccagg gcgacgggcc agaatttcca cagacacaat g          531
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<210> 1702

<211> 387



<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (153)..(153)

<223> n=unknown

<220>

<221> misc\_feature

<222> (277)..(348)

<223> n=unknown

<400> / 1702

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gtcatccata tttctctgca tcttctcttg gagtgaggga ggctacctgg aggggatcag      60
cccactgaca gaccttaatc ttaattactg ctgtggctag agagtttgag gattgctttt      120
taaaaaagac agcaaacttt tttttttatt tanaaaaaga tatattaaca gttttagaag      180
tcagtagaat aaaatcttaa agcactcata atatggcatc cttcaatttc tgtataaaaag      240
cagatctttt taaaaagata cttctgtaac ttaaganacc tggcntttta atcatatttt      300
gtcttttaggt aaaagctttg gtttgtgttc gtgttttggt tgtttcantt gtttccctcc      360
cagccccaac ccttttggtc tctccgt                                     387
```

<210> 1703

<211> 327

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (95)..(282)

<223> n=unknown

<400> 1703  
aactacctgg tgcttcgagt ggcattttct ggagccactg cttgtgtggc ccatgtggat 60  
ggtgttgacc ttcatgtggc caatactggc gatancagag ccatgctggg tgtgcaggaa 120  
gaggacggct catggtnagn agtcacgctg tctaatacacc acaatgctca aaatgaaaga 180  
gaactagaac ggctgaaatt ngancatcca aagagtgagg ccaaaagtgt cgngaaacag 240  
gatcngctgc ttggcttgct gatgccattt agggnnnttg gngatgtaaa gttcaaatgg 300  
agcatttacc ttcaaaagag agtgata 327

<210> 1704

<211> 534

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (27)..(27)

<223> n=unknown

<220>

<221> misc\_feature

<222> (167)..(170)

<223> n=unknown

<220>

<221> misc\_feature

<222> (358)..(521)

<223> n=unknown

<220>

<221> misc\_feature

<222> (166) .. (166)

<223> n=unknown

<400> 1704

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ggcagaccgt gtaggggggc ctgtggncgc agcgtgctgt ggcctcgggg agtgggaagt      60
ggaggcagga gccttcctta cacttcgcca tgagtttcct catcgactcc agcatcatga     120
ttacctccca gatactatatt tttggatttg ggtggctttt cttcangcgn caattgttta     180
aagactatga gatacgtcag tatgttgtag aggtgatctt ctccgtgacg tttgcatttt     240
cttgaccat gtttgagctc atcatctttg aaatcttagg agtattgaat agcagctccc     300
gttattttca ctggaaaatg aacctgtgtg taattctgct gatcctgggt ttcattggngc     360
ctttttacat tggctatttt aangtgagca atatccgact actgcataaa caacgactgc     420
ttttttctcg tctcttatgg gctgaccttt atgtanttct ctggaactag gagatncctt     480
tcccattctc agnccaaaaa catgggatct tatccataga ncagctcatc agcc           534
```

<210> 1705

<211> 455

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2) .. (97)

<223> n=unknown

<220>

<221> misc\_feature

<222> (334) .. (334)

<223> n=unknown

<400> 1705

```
gngaagagag tcggcagatg atgcgggaga agaaggtcac catcctggag ctgttccgct      60
ccccgccta ccgccagccc atcctcatcg ctgtgangct gcagctgtcc cagcagctgt     120
```

ctggcatcaa cgctgtcttc tattactcca cgagcatctt cgagaaggcg ggggtgcagc	180
agcctgtgta tgccaccatt ggctccggtg tegtcaacac ggccttcact gtcgtgtcgc	240
tgtttgtggt ggagcgagca ggccggcgga ccctgcacct cataggcctc gctggcatgg	300
cgggttgtgc cataactcatg accatcgcg taanaactgc tggagcagct accctggatg	360
tcctatctga gcatcgtggc catctttggc tttgtggcct tctttgaagt gggtcctggc	420
cccatcccat gggtcatcgt ggctgaactc ttcag	455

<210> 1706

<211> 421

<212> DNA

<213> homo sapiens

<400> 1706

gccggtgctg agagaaccgt ggctggcaaa gatgattcag gcgattctgg ttttcaacaa	60
ccatgggaag ccacggctag tccgcttcta ccagcgtttc ccagaagaaa ttcaacagca	120
gattgttcga gagactttcc atctagtcct caagcgggat gacaacatct gtaacttctt	180
ggagggtgga agtttgattg gtggctctga ctacaaactg atctaccggc actatgctac	240
cctctacttt gtattttgtg tggattcctc agagagtga cttggaatct tggacctcat	300
ccagggtttt gtggaaactc tggataagtg tttcgaaaat gtgtgtgaat tggatttgat	360
cttccatatg gataaggtgc actacatcct ccaggaggtg gtgatggtgg gatggtgttg	420
g	421

<210> 1707

<211> 199

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(197)

<223> n=unknown

<400> 1707  
 ancacagtca catgcacaca cggagatcag aaacctttcg gccacagccc caggagcccg 60  
 gcgggggggga gggcgggacc gacaggngcg gngcgnggcc gtngaanact cctcctaccg 120  
 agcctcccag gcgctcggng tttncataaa caagananct ngagaggctn ccctcaacan 180  
 tnnctggggg aanngnnag 199

<210> 1708

<211> 189

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (149)..(149)

<223> n=unknown

<400> 1708  
 aacatgcaga catatattgtg gacgtcctct aaaatgtaga atgtttcata cagaattatg 60  
 atgcttgggg taaaaaaaaa gtaggatgtt tgtaggctt cgtagattat atgtaattgg 120  
 gaacctttgg agtaaatttt agtttctgng tccttaccca atatgaattt ttttctatta 180  
 cagattgtc 189

<210> 1709

<211> 371

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (100)..(167)

<223> n=unknown

<220>

<221> misc\_feature

<222> (328) .. (328)

<223> n=unknown

<400> 1709

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tcaaaagaaa aactgtagtt ctcctcagca ttagcactaa tttatggtaa caatcatttc      60
ttttaaatgt ctaacttatt taaccctctc attttaaatn gcaaattaaa gcatgtattt      120
acatatttat atacaaaaaa cttcaaaaac aaattaatcc aaatctnggt ccaagagttt      180
ccactttata agtggtatgg tactatgcta tatatatect cttccaaaag tctcttagga      240
cttggttaagt tccaaatatt cattcacaaa tggttcccct ttaagcttaa tgaaccatat      300
acttcatttc tgagtaaatt agaggaanta ttacagaaca cgctttgtac aaatacagca      360
ccactactga g                                     371
```

<210> 1710

<211> 463

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (9) .. (132)

<223> n=unknown

<220>

<221> misc\_feature

<222> (377) .. (453)

<223> n=unknown

<400> 1710

```
gtgactcang ccctatagac ctcacagtga acatactcac aatgggggtac tggccaacnt      60
acacgccccca tgggaagtgc anttaacccc cagaantgnt ttaaactttc agggagtatt      120
```

taaggcattt tntcttggaa agcacagtgg tcgaaaactt cagtggcaaa ctactttggg	180
acatgctgtt ttaaaagcgg agtttaaaga agggaagaag gaattccagg tgtccctctt	240
ccagacactg gtgctcctca tgttcaacga gggagatggc ttcagctttg aggagataaa	300
aatggccacg gggatagagg atagtgaatt ggcgagaacg ctgcagtccc tggcctgtgg	360
caaagcacgt gtgctgntta aaagtcccaa aggaaaggaa gtggaagatg gagacaagtt	420
canttttaat ggagagttca agcacaagtt gntagaata aag	463

<210> 1711

<211> 589

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (159)..(337)

<223> n=unknown

<220>

<221> misc\_feature

<222> (475)..(540)

<223> n=unknown

<400> 1711

ggccaattaa actaatTTta ttcaaagtaa gtctacatta aattacaata ttaacaatct	60
ctagacacaa cgaacttata agaaaaaaaa atagaaatct gtttgggtctt tcttagacca	120
catatcatgg aactcataaa tgaaaatttt caaagatana aatgacaatt aaagagtgg	180
ggttttaata tgggaaccca cgaggtggcc tagttcnnac ncgncggtnt cnaaaagggn	240
nnngtagnaa tttagcncaa anncaaanta ngtaaacnng gnatattcca gaanatattg	300
ctttaaacac ttatgccatg atcaaaattc ctttgnnagc ttttaatcaa aatgaaacat	360
gctattatgt aaaatataaa gtacttttaa atggatatctc aaaagtatct ttgtcatagt	420
tacccttcta acatcactac tgaactttcc tttcactgtt caacctcatg tatanataca	480
caacacaaaa ccaggtaccn acaaaatcct tttaatcttt ccacnaaata accctctgcn	540

tcacaacatc aagactttta gtctccataa acttttacag tttacagca

589

<210> 1712

<211> 452

<212> DNA

<213> homo sapiens

<400> 1712

aaacattata gaaacattcc tgggcctcat atgggttttg ttcctaagtc tacattacac	60
aactggatga gtgaattcaa gagatgggta ccaacactta gatctgtttg tttgatagga	120
gataaagaac aaagagctgc ttttgtcaga gacgttttat taccgggaga atgggatgta	180
tgtgtaacat cttatgaaat gcttattaaa gagaagtctg tgttcaaaaa atttaattgg	240
agatacttag taatagatga agctcacagg atcaaaaatg aaaaatctaa gttgtcagaa	300
atagtgaggg aattcaagac tacaaataga ctattattaa ctggaacacc tcttcagaac	360
aacttgcattg agctgtgggc acttcttaac tttctgttgc cagatgtgtt aattcagcag	420
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<210> 1713

<211> 477

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (432)..(443)

<223> n=unknown

<400> 1713

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atttgggtat tctgtcttta gggctctccag tttatcaggt ctgtccatag aaaacagaaa	180
ctggaattat agtcagtctt gctaacactt agaaactact ttaaaatata ataaaatttt	240



catttacct aaaagtccaa atgggagggg atatatttg ttaccaattt caatgtaaca	300
gtatgacaaa ttcacacctc attttggctg ggctttcaaa attaaaaaaaa aaaaatcacc	360
ttagttctga cattatctaa gttgtggctg cttcagaagg tcatatgacc aaatatttac	420
caaataatta anaataataa tantaatatt ccttttaciaa aatggtcagt aatacct	477

<210> 1714

<211> 441

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (99)..(112)

<223> n=unknown

<220>

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<222> (397)..(397)

<223> n=unknown

<400> 1714

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gaacatcgac tctctcaaca atccacaaga cccctttgtg gagagcacta agaagttcct	180
aaaatttggt ttcttagatc cattatttct ctcaataata ctctttccat tccttaccoc	240
agtttttgaa gcattaaatg tctctctggt tccaaaagat accataaatt ttttaagtaa	300
atctgtaaac agaatgaaga aaagtcgcct caacgacaaa caaaagcacc gactagattt	360
ccttcagctg atgattgact cccagaattc gaaaganact gagtcccaca agctctgtct	420
gatctggagc tcgcagccca g	441

<210> 1715

<211> 447

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (368)..(430)

<223> n=unknown

<400> 1715

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tctggttgaa gaagtccctg cgtgtctaata ttcaagggga tctgtgtttc tttacaaggt	180
ttgaaggaga agttctgaag gactctgatt agagcaagtt tcatgttcat gagagcaaac	240
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ctgtccttct tcttactgaa cctttcaggg cggaactcct caggctctgt ccagtacttt	360
ggggcatngt gaagancnta agtggaatca ncaccattga ccctttggga atgaataccc	420
ccattgattn aacatcttct tgcaagt	447

<210> 1716

<211> 458

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (448)..(448)

<223> n=unknown

<400> 1716

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atgacactga taccaaaaca gtcttggacc aagctctcag agtatgtcag gcaatgctgg	120
acgtggctgc aaaccagggc tggctggtga ctgtcctgaa tatcaccaac ctgattcaga	180

tggtgatcca gggtcggtgg ttaaaggact cttctcttct tacactacca aacatagaaa	240
accatcatct tcaccttttc aagaaatgga agccgattat gaagggccca catgctaggg	300
gtcggacctc catcgagtgc cttcctgaac tgatccatgc ctgtggaggg aaagaccatg	360
tatttagctc catggtagaa agtgagctac atgctgcaaa acgaaacagg catggaattt	420
cttatctcac ttgccagtga taaatgtngg cataagtg	458

<210> 1717

<211> 411

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (11)..(376)

<223> n=unknown

<400> 1717

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ctacatgtna tcatatcana gtataaatct nncnaacaag acacgctgtg taccacctta	180
cagatttata gttnatgagg caganttaga natctgtnac aagtcctaac acttgtcaca	240
tctcaatgtg gttttcctta anaanngcag ccaatatcca tgtnaacagt acattgtnag	300
angtaaaant ngantganag ctcttaaata tcatccana tatacncaaa ttannagant	360
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<210> 1718

<211> 539

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (92)..(197)

<223> n=unknown

<220>

<221> misc\_feature

<222> (431)..(520)

<223> n=unknown

<400> 1718

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ctccttttct gtggccaatc tgaaggcctt cgttggaagt gttgtttaca gtaatcctna      180
ccaagataac atactgncct ccagaatacc aagtattagg tgacactagc tcaagctggt      240
gtcttcagag cagttaccaa gaagctcggg gcacagggtt tctctgggtc ttacaggaac      300
cacctactct ttcagtttcc tggcccagga gtggggtaaa tccttttagtt agtgcatttg      360
aacttgatac ctgtgcattc agttctgtga atactgcctt ttttgggcgg ggtttccctca      420
tctccccagg nctgaacngc tcaanctcta aacccccaaat tagtgtcagc cgaaaggagg      480
tttcaagata gtcctgtcag tattgtgggtg aaccttcagn ttagaacagt ctttcattt      539
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<210> 1719

<211> 528

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (515)..(515)

<223> n=unknown

<400> 1719

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ttcaataagg tgcaaaacat cattccttcc ctagttctcc tctgtactgg ccattgtcagt 180  
 ctggtagtgc cctcaaccca agttctggtg tctgttttcc cttggcctgt gggaggcata 240  
 tgggtgggtaa tgatctgata ttaaaacatc cagtagtacg agtctcagag atggctctgg 300  
 agccaggact ccactggctg gaaatgaaga ctgtctaatac tgaaggtcac cacaaatact 360  
 gacaggacta tcttgaaacc tcctttcggc tgacactaat ttgggttttag agttgagcag 420  
 ttcaggctgg ggagatgagg aaaccccgcc aaaaagggca gtattcacag aactgaatgc 480  
 acaggtatca agttccaatg cactaactaa agganttacc ccactcct 528

<210> 1720

<211> 392

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (143)..(143)

<223> n=unknown

<400> 1720  
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 tctcctattg aaacttgccc agntgtctca gatatggtct taaaagatgg gtttcagccc 180  
 agcagaagca ttatctttgc cagttggagt gctggagact ttggatcggt tggtgccact 240  
 gaatggctag agggatacct ttcgtccctg catttaaagg ctttcactta tattaatctg 300  
 gataaagcgg ttcttggtac cagcaacttc aagggtttctg ccagcccact gttgtatacg 360  
 cttattgaga aacaatgcaa aatgtgaagc at 392

<210> 1721

<211> 527

<212> DNA

<213> homo sapiens

<400> 1721  
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 tagtgaatca tgacagaact cattcatttt atcctttacc tccaaaaggc ccatctcctt 180  
 aacgagaaga catctcaaga ccaggagctt gtcactagtc tgatatttca ttcaggaata 240  
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 ggttttctga agagactcac tgctgcaaaa tgcattgcct gtattcatat tgtgttatac 360  
 gatgaacatg ccacatgctt tcattttaagt acgtgtgcgt aacacccgaa ccaggaatct 420  
 cagctatgac cttttcactt agctacgcta aatgtcagtc caagataaaa gagggggttaa 480  
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<210> 1722

<211> 469

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (301)..(301)

<223> n=unknown

<400> 1722  
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 catgccaaaa gttgcttcca acatatttct ctgctttgga tggggcatat ttctgtgctg 180  
 tggatgacat ggccttactc cagaatccca ggcctccac tgtgactctc ctactgggtgc 240  
 ttggttcagc tccaccccaa atcttaccac accactggca ctttcagcac caggggggtct 300  
 naaggatggt gactgcacca tggcctggat ctgctgcagt gtcctttcct gtggaggctc 360  
 cactcaaagc tggcatcctc ctatgtcacc tagagtgtgg gtcaaaagca atacacctac 420  
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<210> 1723

<211> 675  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (23)..(23)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (560)..(635)  
 <223> n=unknown

<400> 1723  
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 aagttttaca ggtctagtgg ttaggggcat ccaggggtgt cccttccaat gtgaaagaca 180  
 aactgttgca tcttgcattc tcatgcaagg aaggaagcac actgcctggg gagcctgttt 240  
 gagttcctga caatcacatt ctacatgtag gtgtattgct ttgaccaca ctctaggtga 300  
 cataggagga tgccagcttt gaggggagcc tccacaggaa aggacactgc agcagatcca 360  
 ggccatggtg cagtcacat ccttcagacc ccttggtgct gaaagtgcc gtggtggggg 420  
 aagatttggg gtggagctga accaagcacc agtaggagag tcacagtgga gggcctggga 480  
 ttctggagta aggccatgtc atccacagca cagaaatatg ccccatccaa agcagagaaa 540  
 tatgttgga gcaacttttn gcatgttact gtangcctg gtaagataga atgcttgacc 600  
 atgggacacc aaacaaccat gtgatttcca agtgncccta agaattagca tctgtataac 660  
 tcatgaagtc ataca 675

<210> 1724  
 <211> 369  
 <212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (52)..(52)

<223> n=unknown

<220>

<221> misc\_feature

<222> (313)..(313)

<223> n=unknown

<400> 1724

ggttgatgca gatgtgagtg aggagagcag tgtgggaagg gagactcatg angggagggg 60

aagctgccac tctccagtgt gttcagtggc tgcaatgaga tgagactgaa ccccttgcta 120

tactatcatc agccccaac tttccaatct actttatccc attattcagc acattcccag 180

cacaaagaac ctggtggtca gtgacagcat catcacggac attactctgc tgccttttt 240

ctgacccgtc ctcttgagg actcagtata tccgtcaca cttcctcctc cactgagtgc 300

tccattttct tcngcaacag tctattgcc aacatgaat tcgggcaact ggtgtctgtg 360

ctcaaccag 369

<210> 1725

<211> 551

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (498)..(499)

<223> n=unknown

<400> 1725



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tggatcagtt ctagacatgt attttccagc tgcctctagt ttttgaactt gcagacaaag    180
gagaacttgt cttcacaagg cacatccttc catttctgga atcctgtgct tgaggtcagg    240
ctcacacagt agccaggatt aacactgctt ggggctccaa tgccccagga cttgtaggag    300
accaggggacc cactgctcca gtgccagcgg cggttctaga tggggaaggg ccagaacaga    360
ggcagtggtc actcaaaaat acatggaatc actgggcctg tgtgcacact cagaaacatg    420
ctaagacaca aaggaagaat aaaccttgct aaatattggt tccttccttt gctattgtct    480
aaacttcttc ctgaactnnc caactcatta actgtattca ccaagaataa gtgttatgaa    540
ttgacagaga c                                                                551

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<210> 1726

<211> 465

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (91)..(134)

<223> n=unknown

<220>

<221> misc\_feature

<222> (367)..(424)

<223> n=unknown

<400> 1726

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gaggcttttaa ggtagcttta aattcggtgt gtccctgggag ctgccccttt tcggctggag      60
tcgggcttta cggcgccgga tggctctgga ngtgaagtct cgggcaaagc gttatgagaa    120
gctggacttc cttngggagg gacagtttgc caccgtttac aaggccagag ataagaacac    180
caaccaaatt gtcgccatta agaaaatcaa acttgggaca tagatcagaa gctaaagatg    240
gtataaatag aaccgcttaa gagagataaa attattacag gagctaagtc atccaaatat    300

```

aattggtctc cttgatgctt ttggacataa atctaattt agccttgtct ttgatttatg 360  
gaaactnate taganggtat aataaaagga taatagtctt gtgctgacac catcaacaca 420  
tcanagccta catgttgatg actcttccag ggtagaata tttac 465

<210> 1727

<211> 122

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (36)..(121)

<223> n=unknown

<400> 1727

catttaataa aaataaccca tagttttaca tatttnacat gtgtagaata tttacaaact 60

cacttctaca gcatttactt aatgtttact atntttccat tatttgcctt tttggctatt 120

nc 122

<210> 1728

<211> 336

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (30)..(52)

<223> n=unknown

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<221> misc\_feature

<222> (266)..(314)

<223> n=unknown

<400> 1728

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aaatctgggc tatectcaag agttcagttt cgaaaccaag gttctgagcc caaatatact      120
caagaactaa ctctgaagag gcagaaacag aaagtgtgca tggaggaaac cctgtggcta      180
caggataata tcagagataa actgcgtccc attcccataa ctgcctcagt ggagatccaa      240
gagccaagct ctcgtaggcg agtganttna cttccagaag tgcttccaat nntganttca      300
gatnaacca aganagctca tattgatgtt cacttc      336
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<210> 1729

<211> 289

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (278)..(278)

<223> n=unknown

<400> 1729

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gacccttgac tctcaagtgt acgggggtccc atttacacag ggggagagct tacagcctac      60
gttgagteta tacttaccac ttagtgagca tggatatcgc tcaggggcct ctgtgggcat      120
ccatctcttc tgcagcatct ttctcccca ccgctgggccc tgcacatgac cccctccttg      180
ggttagacct ctgatcagtg atgaccttgg tatgctggtg atggtcagtc ttggcaccaa      240
atgagacagt ttatgtcatc agctattcaa taaaacanta atctaggtg      289
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<210> 1730

<211> 547

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (394)..(394)

<223> n=unknown

<400> 1730

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gttcgatatt caaagttggc ttttaggaca ctagtaagaa aatatagttg tgatctgtgt      120
tacacaccaa tgattgttgc cgctgatttt gtcaaacta taaaagccag agacagcgaa      180
tttaccacaa atcaagggtga ttgccattg attgttcagt ttgctgctaa cgatgcaaga      240
cttttatctg atgctgctcg tatagtctgt cttatgcca atggaataga cattaactgt      300
ggttgcctc agaggtgggc aatggcagaa ggttatgggg ctgcttaat aaacaagcca      360
gagcttggtc aagacatggt gaaacaagta agaatcaag tggaaacccc tggattttca      420
gtttctatta aaataaggat ccatgatgac cttaaagaa ctgtagatct tgtcaaaagg      480
ctgaagccac aggagttcat gggattacag tccatggaag actgctgaag aaagacatca      540
gccagtg                                          547
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<210> 1731

<211> 181

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (11)..(155)

<223> n=unknown

<400> 1731

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atttgtcaat gtttgcttag gatgatcagg atgtttgaac cactgggant nttctttaan      120
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<210> 1732

<211> 277

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (63)..(63)

<223> n=unknown

<220>

<221> misc\_feature

<222> (211)..(248)

<223> n=unknown

<400> 1732

acgggctgga gcagtctgag gaagtggggc aaggaatgcc gctagtctct gagggagacc 60

ganggagccc ctttcaggag gaggagggga gtgctctgaa gacctcttgg gcaggggctc 120

ctgttcacct gggccagggt cagttcctga agttcactca gagggaagga gatagagagt 180

cctggctctc aggggaggac taggaaaaga ncatctgccc ggcactgggg acttaggggt 240

gcngcgangg gaaggacgcc tccaagcccc gctccct 277

<210> 1733

<211> 320

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (18)..(311)

<223> n=unknown

<400> 1733

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tcccttgctc ttcagccaga angagtcagg gcaatgaatt tgaagacatt caagtcatgc      120
tgagctcaaa gctgtattna ggtgggtctc ccaagttggt tccagctatg tntgtctaag      180
atgcttggct acagcttcac tgtacacaaa accagcgtca cttcgcttta cggatttcnn      240
aacacagatc tgctccatcc cataaattcg aaaaccatgt aaagcattcc atctgaggct      300
atatgtctcc nataattcta                                          320
```

<210> 1734

<211> 261

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (50)..(255)

<223> n=unknown

<400> 1734

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agactaggtc ccttgctctt cagccagaag gagtcagggc aatgaatttn aagacattca      60
agtcatgctg agtcaaagc tgtattaang tggntccaa nttntttcca gctatntttg      120
tctaagatgc tggctacagt tcaactgtaca caaaaccagc gncanacgc tttacgnttt      180
cannacacag atcttgctnc catccatnna ttcgaaaacc atgtaaagna ttccatctga      240
gctatatgtc tccantaact c                                          261
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<210> 1735

<211> 559

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (429)..(491)

<223> n=unknown

<400> 1735

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gtcacccgca agccgggtcct ctacttccac atccgctggg gcttctccaa gcaggtggtg    120
gccatcgctc atgccgtgct ccttgggttt gtcactgtgt cctgcttctt cttcatcccg    180
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ttctatgtna anaaaggnc caggaccagga tcaggtgcac atcatagagc atgaccaact    480
gtccttctcc ncgattcaca gaccaggcag ctggcatgaa agaggaccag aagcaaaatg    540
agccttttgt ggccaccca                                559
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<210> 1736

<211> 509

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (463)..(463)

<223> n=unknown

<400> 1736

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aaccacagca gcatactgct tcaagtattc tcctcctatg taaggtcgag ataattttgt    120
cacatatgaa ttttaggtgg acatctcatt tcctcacata ttagacatcc tgctggggtc    180
acagcttctt tgttccattt gtcttttttt gttgtttttt aataagacat tgcaaacagt    240
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agctatttct taaagtgaca taattttcgc ttttgcattc tgataaaaat gaacatactt	300
aagcctcttc cttgcaccct gaccctgggtg ctctagcata atgcaacaaa tectacgtc	360
aatggtttgc agggccatcc acgcaggcag atgactgggt ggccacaaaa ggctcatttt	420
gcttctggtc ctctttcatg ccagctgctg gtctgtgatc gangagaagg acagttggtc	480
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<210> 1737

<211> 553

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (543)..(550)

<223> n=unknown

<400> 1737

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gtgagcggtt ccattatcac ctttgcctca gagcccaaag tctcatgtc tgtcctgaac	180
gacaactccc gggatatgac tgaggtgatc agcagcctgg aaaatgccaa ctataaagat	240
catgaaaatg gaactgggac taacacctat gcggccttaa acagtgtcta tctcatgatg	300
aacaacaaa tgcgactcct cggcatggaa acgatggcct ggcaggaaat ccgacatgcc	360
atcatccttc tgacagatgg aaagtccaat atgggtggct ctccaagac agctgttgac	420
catatcagag agatcctgaa catcaaccag aagaggaatg actatctgga catctatgcc	480
atcgggggtgg gcaagctgga tgtggactgg agagaactga atgagtaggg tccaagaagg	540
atngtgagan gca	553

<210> 1738

<211> 580

<212> DNA

<213> homo sapiens



<400> 1738  
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caggccaagg agcgggaggt ggggcagcga ggagtcctg ctggtaggag ccctgaggat 120  
ttcccagctt gtgtgcgctg cctctggcat cctagagacc cggatttact cagctaggag 180  
agaggatgga tcacagggtc taagggtggc cattcagagg tagaagatgg aggggcggca 240  
gattctggca gggcagcaga gggctcagt gccatggcta gaggggtaaa aaattcagga 300  
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gtggcggcgg gaccttgcta cgagggggccc ttttgcgga gttttgtca gcagagccaa 420  
ggcaggggtt gtaaagaccc cagctcacca gaccacctg aaaaaacctg aatctccgct 480  
caaggaaaac tgctccccca gattctcct tgcagggact ctcatcctcc tgggtccac 540  
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<210> 1739

<211> 550

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (382)..(382)

<223> n=unknown

<220>

<221> misc\_feature

<222> (527)..(527)

<223> n=unknown

<400> 1739  
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tcctgagctg aaaaaactaa aaactctact taaaaatgat catattcaag ttggcaggtt 180

tgactgttcc tctgcaccag acatctgtag taatctgtat gtttttcagc cgtctctagc	240
agtattttaa ggacaaggaa ccaaagaata tgaaattcat catggaaaga agattctata	300
tgatatactt gcctttgcc aagaaagtgt gaattctcat gttaccacgc ttggacctca	360
aaattttcct gccatgacaa angaaccatg gcttggtgat ttctttgccc cctgggtgtcc	420
accatgtcga gctttactac cagagttacg aaggagcatc aaatcttctt tatgggtcagc	480
ttaaagtttg gtacactaga ttgtacagtt catgaggggg ctctgnaac atgtataaca	540
ttcaggctta	550

<210> 1740

<211> 431

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (120)..(422)

<223> n=unknown

<400> 1740

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agacccttct ttacancag tgctgtagaa aattctggna ggtacaactg caagtctaag	180
ataaatgttc attcattccc atcataaatg tnacattcta aataggtgtc ctctgatgnc	240
ncngtcnga ntttctttta aacgtttnt tcatncncca cattntnaan gctcatcct	300
antcctctg ccttgatttc ngagagtttc caanttttca cttattaang cagcgantgc	360
ttttgcatcn ctggcantta tctgtcctc ttgaaaattt ctctttgctc tntcgtagan	420
anaaaactta a	431

<210> 1741

<211> 448

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (57)..(433)

<223> n=unknown

<400> 1741

ccgggctgcc ggccagaccc ccaagacggc ctgcgtagat atccctcagc tgctggncgn	60
cgcggtnnng gcgggggctc cgggcagtgc tggcggcgtc ctggctgccc tgctggacca	120
tgtcaggagc nggtcttget tccacgcctt gccgagccct cagtacttcg tggactttgt	180
gttcagcag cacagcagcn aggtccctan gacgctggcc gagctgtcag ccttgatgca	240
gcgcctgggg gtgggcaggg agggccacag tgaccacagt catcggcaca ggggagccag	300
cagccgggac cctgtgnccc tcatcagtc agcaacagtc cagtgtgtgg gacacggtat	360
gcctgagtgc caggnaacgt gatggtgcat atggactgtc ggaacagctg gggtgacccc	420
ggaggcctgg ggncaactga gcctgcct	448

<210> 1742

<211> 464

<212> DNA

<213> homo sapiens

<400> 1742

taggggcttc tggtttctgg gctgtaggtt tgtgaggtgt gggatcttaa gtcaaaggtg	60
ggggactagg gcagggtatc agaaggtgat gtcatectcg tacagggaca gcagcagcag	120
gacgggtccag ccgcccagca ggcccacgtt gtgcagcagg aagaggagcc agggccgcgg	180
gtcccgtagt ttcaacatcg ccgggagcat gtcgcagagt gctacgtaga ggaacaggcc	240
ggtggccact gccaggatcc aggcctcgct ctctcgctg actccaaccg cgagtgccac	300
gtagagacca gcgaaggccg tgagcgcgga ggccagggtc agcagcagtg cttggcgcac	360
ggacagcccc gcgtgcagca aggcggcgaa gtccccagc tcgtgtggca actcgtggca	420
gaacacggcc agcgaggtgg ccaagcccgg tcttcagga agga	464

<210> 1743

<211> 185

<212> DNA

<213> homo sapiens

<400> 1743

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tttaaatttt tttcatttgt ttccctgcct agaggctata aaaactctat ttcaccaccc 60
caagtgtctt tataaatctc aaccacatat ttttaaattgt tgtgccattg gtctcaagga 120
tgaatcagat acaaaagtat tcatgccaaag atgtaaactc accgtcatca ctagagaaaa 180
gatat 185
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<210> 1744

<211> 554

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (411)..(411)

<223> n=unknown

<400> 1744

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ggaaaatatg aatgctaaat caaatttttt aaaaaataca ccacacgata caactcaata 60
caggagtatt tcttctcaaa ttcttctagc accatcaaca ttcttcaagt atctgaaata 120
ctattaatta gcacctttgt attatgaaca aaacaaaaca aggacctcag ttcattctctg 180
tctaggtcag cacctaacia tgtggatcac actcatggga aagtgttttg aggtagttta 240
aaccttttga agtttgggtt ttaaacttcc ctctgtggaa gatattcaaa agccacaagt 300
ggtgcaaatag tttatgggtt ttatttttca atttttatct tggttttctt acaaagggtg 360
acattttcca taacagggtg aagagtgttg aaaaaaaaaat tcaaattttt nggggagcgg 420
gggaaggagt taatgaaact gtattgcaca atgctctgat caatccttct ttttctcttt 480
tgcccacaat ttaagcaagt agatgtgcag aagaaatgga aggattcagc tttcagttaa 540
aaaagaagaa gaag 554
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<210> 1745  
 <211> 440  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (248)..(338)  
 <223> n=unknown

<400> 1745  
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 tgagaaagtc attcagttat ctaaggcaca catttatcta ggacatagaa ctttcagggc 120  
 aaaaacaaca atcaaagaaa taaatccagg catttgattt gaagagctta attgcattca 180  
 gatttgcttt tatactgagt gttagggaat ataaaataaa aatatcatatc taagcattgc 240  
 ctattacntt cnaatacttt caaatttgtc attcaccag caaccttata agtagtaatg 300  
 nttttatcat acaactattt ctacacttga cagatgangg agcaagactc agagggactc 360  
 actcacatgc tcttctgggt gcaaagttgg atttgagtgg ggccaggagt gaaaccaaatt 420  
 cccctggctg aaaggaccgt 440

<210> 1746  
 <211> 436  
 <212> DNA  
 <213> homo sapiens

<400> 1746  
 gccatgcctt tctgctaata gatttttagca agtcgaggta aaacacatgc aacattttct 60  
 ggcaaaagct taatgtcaaa caatatgtga tccatactgt gtgtcgtcct tgggggttta 120  
 tttgactttg tcacaatgac agccaacagt gagactgata agcctgtaaa aataaaaaaa 180  
 taagactaat caaatagaca tggcattttta atctcaaagt gcaaaatcat ctaactgaaa 240  
 atgacggcat tgaaaaattc cagtgggtta aaatgaatca aaacttcatt acgcaggcag 300  
 tggaagtgtg ttgaaagatt taccaggggt gtcaagtttt agacactcag aaaggcacca 360

ttctagccat cttgattgga taacatgtat atacttatgt ccctacgata ttcaaaagat 420  
aatactgttt tagtac 436

<210> 1747

<211> 338

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(97)

<223> n=unknown

<400> 1747  
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gcagccggan ggagggggga ggtcggaggt cgtggnnggt ggtttggtga tcttactggt 120  
ctgaagggaac caagtgtgtt tgttggttgt tttgtatctt gtttttctga gaggggtggg 180  
gctggaaccc ctccccggga ggagtgccat ctgggtcttc catctagaac tgtttacatg 240  
aagataagat actcactggt catgaatata cttgatgttc aagtattaag acctatgcaa 300  
tattttttac ttttctaata aacatgtttg ttaaaaca 338

<210> 1748

<211> 325

<212> DNA

<213> homo sapiens

<400> 1748  
gtcaaaaggc atttttataa agacatgtgc ccttcttggg tggatatactg gcaattttta 60  
aaatatctga tttattgtca gctcaccaca tgatgtgata tttgttcatg ttgaagtagt 120  
gtgaaagtag gcacattagt atgaaagtat ttctattaaa gctgaattgc tataataaca 180  
ctaaatcctg tgttggcatg gaataactag atgggtttta gaaagtactt tctttgaaga 240  
ttggagaaaag tactttaatt taaacattaa aaagattggg aactgctatt ttcaacagca 300  
tgtcccctta atcagtgtgt cattg 325

<210> 1749  
 <211> 428  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (400)..(400)  
 <223> n=unknown

<400> 1749  
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 gccatagtag tcacagtgcc agaagtgagg tcactcacat ttttaaggaaa tataattcac 120  
 tctatttcag tggaatccat gttctggcag ttggaaggca aaggtagaggc ttactttgtg 180  
 caaaatgtat tcactttatt cgaaagcagc tttcttttct gtcccttgct tggcatttta 240  
 aagaacctgt tcattttcct tttttgttaa aagtgtcta agaactaaaa gggccgttcc 300  
 ttactggaat aaaattaact acacatgcc aacatttctg gggcfaatgt tgctgggtta 360  
 aaattcccct cagaatttag ccaattccat agaaaaattn aattgttaag gtaatccgca 420  
 cttccatg 428

<210> 1750  
 <211> 223  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (60)..(195)  
 <223> n=unknown

<400> 1750

cgacgtcttt tcaccacttt gggcatgctt cttatttagt atgttcatca tgatttagtn	60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agtaagcatg	120
ttaagtttgt aagcnttggt gatttccacc acaaaccat aggacctcag gttattctca	180
taattgagga aactnagatt cccagtgttg aatgaaagcc aca	223

<210> 1751

<211> 449

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (60)..(132)

<223> n=unknown

<400> 1751

taaagtaatt cttcttccac ttaattttta aagacagtaa ttgctacact gaatgaaacc	60
ttaatgaagt ttcattataa gtatctatta tcatttgatt attttctaca tagaagcatg	120
caaaaagttt aaaattcagt ttcatttgac ttagccttga ctgtaatgga ggactctatg	180
aagaggggac acagtgctta tgggctggag tcccagcaac tgcttggtgg cagagtccca	240
gtcgttcccc agttcaagcc gtgggcagat agatgggtac tgccttcag ttcttcttac	300
ccattcactt gcttgcttta ttgcctcaaa agcccaggga atattcctag attaaaaaaa	360
aaagtttcag atttcagaat ataacatgtg aaatgtaatg tggactaaa cccatcacat	420
tatatcagac aaaatgattc tgccaaaaa	449

<210> 1752

<211> 236

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature



<222> (132)..(132)

<223> n=unknown

<400> 1752

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tttggtgcca tgactcggat cgggggacct cccttgggag atcaatcccc tgtcctcctg      60
ctctttgctc tgtgagaaac atccgcctac gacctcaggt cctcagaccg accagcccaa      120
gaaacatctc ancaatttca aatccggcac tcccagagcc cctggaactc cggcccaagg      180
ctctctgact gactccttcc cagatcttct cggcttagcg gctgaagact gacact      236
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<210> 1753

<211> 526

<212> DNA

<213> homo sapiens

<400> 1753

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ggcctaataa aaaggagcgt ctatacagga ccttaaattg gctgtacctt gtagcattct      60
gaggacaggc cagaattctg agaagggaaa gtggtaaaaa gtattgtcca gtccttttta      120
aattggtggc tgagcttggt gaggtgtgtt tttaaaagac ctttagtcca ttctactttt      180
cttgaagacg gaggaccgta agggatataa aggtttcact gaatactaag aacctgaaaa      240
actgcttggc tgatatgact aataaaggct cgtctgttat cagactgtat tgaggtggga      300
aggctaaact gaggaattat gtctgacaga acagaagaaa tgactgcggt ggccttctcc      360
gaccctgtag gaaaggcctc tacttatttt gagggcctct aaaagtatta aagcagcggc      420
agccactgca cgcagacatg agggctaggc taaaacagta aggtcaagtt gtttggacag      480
aaaggctaca ggggtgtggc ctggctcttg tgtaaaaatt ctgact      526
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<210> 1754

<211> 480

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (47)..(190)

<223> n=unknown

<220>

<221> misc\_feature

<222> (388)..(467)

<223> n=unknown

<400> 1754

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gagcagctag ggcgcgggct tccctcctcc cggagtttgg aacnggctga agttcacctt 120
ccagccccta gcgcggttcg cnccgctagc ctggcttctg aggcgggttg ggtgctcggt 180
cgccgcctan gcggggcagg gtgcgagcag gggcttcggg ccacgcttct cttggcgaca 240
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ggctaataac gaaggtgacc tgctgagaaa agtggtagaa atacttgaa aaacctgctc 360
ttctgcgtta agtgggagac aatgtcanna gttaaaagct cttattccta tgatgcccc 420
tcggatttca tcaatttttc atccctggat gatgaaggag atactcnaaa catagattca 480
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<210> 1755

<211> 528

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (474)..(518)

<223> n=unknown

<400> 1755

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aaggcaggcc ttttcatgta gaagagtcag gtccataact cggtagcatt taatttgaaa 60
ggttaccac attgagctca taccagtgtg aaacttccat ggcattatct tttaaattccc 120
taagattaaa accccacaca aatgcactca aagcaacca acatcagtat cctgcagttt 180
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ctatgggccc tttctgcagc ctttactcat ggaagacaag ggatctgggt ttgttttagga	240
aacattttgt gagcattgtc caagccctaa gtatggttgg cctaagcttt gctgaagcta	300
agatcagtct gtttatgttt gcttaaaata ggaacttaaa ggactaaaat gtcatcgta	360
tttatactga ttatagccta atgggtatttt atttctctac agcaatatga ctgctaaaag	420
aaccaacca ggacagagcc acaatcttcc tctaattcat tgtaatttat atanttcact	480
tgtaatcatt gtaaaacttt gtaantagt gaaacatantc cccacagt	528

<210> 1756

<211> 446

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (407)..(407)

<223> n=unknown

<400> 1756

cctcgtgggc ctccctgccgt cactcgtccc catgttccaa tgatgctgat caactgcttt	60
attcagtttc ccatctttct tcttgcccag tcatcgtagc ctttcttttt ttaaacacat	120
gatccctagt actcatcttt ggaggacaaa aggctttcca tatggttagaa aaatttgaat	180
ctcatagtac tcacaacaat gagcagcatt gtaagttgtg atgcattcat ttggattgga	240
acattctcaa tcagtccttc cactctaagt aaatatttgt ttctcacaga acacaaggca	300
gttcaaaggg cctcttggtta gagatttata ggtgtatgaa tggggaacat catacaagcc	360
gtggaaacaa aaatctttcc aggttgctcg attttctcct tcttggnctt ataaaaagca	420
actagacatc ttttaatttaa aaaata	446

<210> 1757

<211> 476

<212> DNA

<213> homo sapiens

<400> 1757  
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tgacggtcag caccacgggc ggctataccc tctgctcct gatgaaatac cctcatgtcc 120  
aaaagtgggt acgtgaggag ctgaatcggg agctgggggc tggccaggca ccaagcctag 180  
gggaccgtac ccgcctccct tacaccgacg cggttctgca tgaggcgcac ggctgctggc 240  
gctggtgccc atgggaatac cccgcaccct catgcggacc acccgcttcc gagggtagac 300  
cctgccccag ggcacggagg tcttccccct ccttggtctc atctgcatg accccaacat 360  
cttcaagcac ccagaagagt tcaaccaga ccgtttctg gatgcagatg gacggttcag 420  
gaagcatgag gcgttctgc ccttcttct tagggaagcg tgtctgcttg gagaag 476

<210> 1758

<211> 439

<212> DNA

<213> homo sapiens

<400> 1758  
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gtaccttcat gtgattcact gccttctctc ctctaccagt ctatttccac tgaacaaaac 180  
ctacacacat accttcatgt ggttcagtgc ctctctctc ctaccagtct atttccactg 240  
aacaaaacct acgcacatac ctcatgtgg ctcatgcct tctctctct accagtctat 300  
ttccattctt tcagctgtgt ctgacatgtt tgtgctctgt tccattttaa caactgctct 360  
tacttttcca gtctgtacag aatgctatct cacttgagca agatgatgta atggaaaggg 420  
tgttggcatt ggtgtctgg 439

<210> 1759

<211> 134

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n=unknown

<220>

<221> misc\_feature

<222> (122)..(122)

<223> n=unknown

<400> 1759

aaattcntat tataaaaaccc caaaatgtct attggtctgt ttccaggtgt ggtagaagaa 60

tataaaaaga tcaaaattgg ataaattcta ttgtaccaat ttcggtgggc attttgggcc 120

anaaaatttt ttg 134

<210> 1760

<211> 353

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (339)..(339)

<223> n=unknown

<400> 1760

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tcgctttcct ccccgtaac agcgagcttc accacttgct ccgcaccttc tccatcaact 120

actacctgtc cctgggatct gtccagtcgc ccagctaaag tgctcagcag gtcagcagcg 180

cggcgagctt ctatgaggcg tgggggtctgg ggctcctgga tctctgtgtc ccatttcaca 240

gagattgcc a cctactgccg cctgctagaa gatggggagg atttcaatct tgggtggtatt 300

ctggacagca gcaaatacct gtaaagcatt ccaaaganc aacaccaca gga 353

<210> 1761

<211> 442

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (390)..(431)

<223> n=unknown

<400> 1761

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ttgccgtcca ctatcctgtg ggtgttggtc ttttggatgc tttacaggta tttgctgctg      120
tccagaatac caccaagatt gaagtcctcc ccattcttcta gcaggcggca gtaggtggca      180
atctctgtga aatgggacac agagatccag gagccccaga cccacgcct catagaagct      240
cgccgcgctg ctgacctgct gagcacttta gctgggcgac tggacagatc ccagggacag      300
gtagtagttg atggagaagg tgcggacaag tggatgaagct cgctgtgtac ggggaggaaa      360
gcgagaggac aggactcagg ttttggccgan gtcctgaaga taattattga aatgcattaa      420
aacgcggacg ntgggtcgac cc                                              442
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<210> 1762

<211> 454

<212> DNA

<213> homo sapiens

<400> 1762

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gtcatctctc aggagccctt tgttcccaag aaagagaaga aatcagttgc tgagggcctt      60
tctggttctc tagttcagga accttttcag ctggctactg agaagagagc caaagagcgg      120
caggagctgg agaagagaat ggctgaggta gaagcccaga aagcccagca gttggaggag      180
gccagactac aggaggaaga gcagaaaaaa gaggagctgg ccaggctacg gagagaactg      240
gtgcataagg caaatccaat acgcaagtac cagggctctg agataaagtc aagtgaccag      300
cctctgactg tgctgtatc tcccaaattc tccactcgat tccactgcta aactcagctg      360
tgagctgcgg ataccgcccg gcaatgggac ctgctcttaa cctcaaacct aggaccgtct      420
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tgctttgtca ttggggcatg gagagaaccc attt

454

<210> 1763

<211> 485

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (483)..(483)

<223> n=unknown

<400> 1763

taaaatgcac actgcacggt tccctgttgt tatcagcacc agtaaggaaa gaacgtgcct	60
taacggcagc cccacccaga gcctgctgcg tggctgctgt gaggctcccc atgaatccac	120
gcagtcttct tccctactgg tgcagttggt gaggttttct accctcacag caaagggatc	180
cttaactata aattcacggt atgcagagaa gaggacagaa tctgatttac tgattgttcc	240
tcatttaaac catgacttaa tctctatctt aggatttaac tatctttatt ttctgggtaa	300
aatttttaaa aaaagtgggg agaggggtgag agtcgtaagg ggcaatagca atagagatta	360
cactgtgctg acacagagac taaattctag tcagagtga gacccatata aaaggccggc	420
tgatgggtta aaggaagtaa ctacatggag tctaatcgag acattcatga gttacatctc	480
atnat	485

<210> 1764

<211> 375

<212> DNA

<213> homo sapiens

<400> 1764

agcgaagatg gtgaatattt tgcctatggt ctgagtgcca gtggctcaga ctgggtgaca	60
atcaagttca tgaaagttga tgggtgccaa gagcttccag atgtgcttga aagagtcaag	120
ttcagctgta tggcctggac ccatgatggg aagggaatgt tctacaactc ataccctcaa	180
caggatggaa aaagtgatgg cacagagaca tctaccaatc tccacaaaaa gctctactac	240

catgtcttgg gaaccgatca gtcagaagat attttgtgtg ctgagtttcc tgatgaacct	300
aaatggatgg gtggagctga gttatctgat gatggccgct atgtcttggt atcaataagg	360
gaaggatgtg attca	375

<210> 1765

<211> 387

<212> DNA

<213> homo sapiens

<400> 1765

cgcttcaagc ccacccgcat catcttctac cgcgacggtg tctctgaagg ccagttccag	60
caggttctcc accacgagtt gctggccatc cgtgaggcct gtatcaagct agaaaaagac	120
taccagcccg ggatcacctt catcgtggtg cagaagaggc accacacccg gctcttctgc	180
actgacaaga acgagcgggt tgggaaaagt ggaaacattc cagcaggcac gactgtggac	240
acgaaaatca cccaccccac cgagttcgac ttctacctgt gtagtcacgc tggcatccag	300
gggacaagca ggccttcgca tatcacgtcc tctgggacga caatcgtttc tcctctgatg	360
agctgcagat cctaacctac cagtgtg	387

<210> 1766

<211> 337

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (233) .. (233)

<223> n=unknown

<400> 1766

gcaaagtgta gccacatata atattttgca taatcatact ttataactac gaataaacag	60
atggatttat ccatctgttt aaaagctaaa gcagatgaaa gtaatttttag tagcacacaa	120
acagactaaa tcatttggtc tcataactct tgtctaattt gaagacaatg ggaaatattt	180



aaaagtgatt tcatagagcc tgaaaccact ttgacatttg agttgagtca cancgaatgt	240
tgaaataaat gtcctattcc ggtaaattta aaggactggt ttaacatgat aatttgctc	300
ctaaaataat gtcccaggac ccacactaac aaaagtc	337

<210> 1767

<211> 418

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (92) .. (92)

<223> n=unknown

<400> 1767	
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cacccttgtg gggctgctgc tccagcggct tncagctaga ctgggagtgg ttactgggct	120
gcattcttgc gaagtatgtc accgtcagta tcccaaggtc ccacgagtca tctgtgggct	180
gatggtggag ttggctatca tcggctcaga catgcaagaa gtcattggct cagccattgc	240
tatcaatctt ctgtctgtag gaagaattcc tctgtggggg ggcgttctca tcaccattgc	300
agatactttt gtatttctct tcttggacaa atatggcttg cggaagctag aagcattttt	360
tggctttctc atcactatta tggccctcac atttgatat gagtatgtta cagtgaaa	418

<210> 1768

<211> 361

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (170) .. (346)

<223> n=unknown

<400> 1768  
acgggttaa at gggttactaaa agctcagttg taaccactcc taacaccact agcagaacct 60  
caagggagcc aagagctctt cccttttccc ctgttaattt ccagtataat gtagcagcac 120  
aattatttca tgtcacattt aagaagaaca agaaccaatt tatataaagn acaattgtat 180  
atccttaa ac attccacata aacacactgt caaaactcac tggntatgct ggaattggag 240  
gncttaaatt tctacatatt atttattgca ccagagtagc tgggtaaaaan gcactttcng 300  
tgaagatcaa atgcnataac gnatnagggg ntttttnaca ctgtgnagta cacacataat 360  
a 361

<210> 1769

<211> 469

<212> DNA

<213> homo sapiens

<400> 1769  
gccaaaggaa gaattgtttt aggatatact gaagcagagc tgtgcacgag aggtcaggt 60  
tatcagttta ttcattgcagc tgatattgctt tattgtgccg agtcccatat ccgaatgatt 120  
aagactggag aaagtggcat gatagttttc eggcttctta caaaaaacaa ccgatggact 180  
tgggtccagt ctaattgcacg cctgctttat aaaaatggaa gaccagatta tatcattgta 240  
actcagagac cactaacaga tgaggaagga acagagcatt tacgaaaacg aaatacgaat 300  
tgctttttat gtttaccact ggagaagctg tgttgtagta ggcaaccaac ccttttcctg 360  
cccataatgg atcccttacc actaaggact aaaaatgggc actagtggaa aagactctgc 420  
taccacatcc actctaagca aggactctct caatcctagt tcctctctg 469

<210> 1770

<211> 353

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45)..(338)

<223> n=unknown

<400> 1770

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atacaacttt gataatgagg atattataaa tcatacttta agcanaaatc tatgcatgat 60
atatgtaagc agtaacattt tgaagaaaaa agccatgnaa gcattttacct aaaatttagt 120
aacatcgaaa aacactagtt tgtgcatngt aatgttgana gcttcataat ncactagaat 180
actggnaagt cttcaggtat tgtnagnaas acctggtnen ggnaaannct aanattagac 240
acatccatat ccttagatgt gcacatcctc tnagaantaa atcccagaat gtagcngngc 300
actaagtatc cnttgnttgg gnacntaach atacaganca aacgtgtatt tgg 353
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<210> 1771

<211> 435

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (417)..(417)

<223> n=unknown

<400> 1771

```
cacaggggga caggaaaacc catttctcaa cccagatcca tgtctccact gcttctactc 60
tgggttgga ttcaggaaga caggcacagt cctctctgtt catagaaaca cctgccagtg 120
tcaaggattc cagtcaggtg tctatcccaa ctggtcaggg agagaagggc agacccattc 180
tcaaagacca ccatgtccaa ggtctgacag ctccccactg gctgccccca caggggcttt 240
aggctggtct gggcatggg gaagcgtccc tcttctcgtt ggtctgtgtt ctcttggtt 300
tggtatctat gttggtacga ctcttggtt tttatctaaa ggactttggc ttttgtaaat 360
cacaagccaa taatagactt ttttctcccc ctctgttttt tgctgtgtca tctctgnctt 420
gagactgctt gagac 435
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<210> 1772

<211> 349

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (103)..(185)

<223> n=unknown

<220>

<221> misc\_feature

<222> (302)..(302)

<223> n=unknown

<400> 1772

gaagaaacgc tcccctgaaa actgtaacca aacaaagttt ggttaaaaca aagttgggtc	60
ctttgttttc atggaaatgt cagacaacta tgaaaagcta agnnagcatg tnnnnntnaa	120
ggtctggctt tggtaaatta ggcagagatg ttctcagcag caaacaggta aaatctgaca	180
tcgnaagca ttattttaat gtaggaccag ttataatctt aaagaactga ctaggttcta	240
aaataataga actgagaaat aggactgaga aatgaccaac atcaagtata atacggtaca	300
cntagcactt gtttctatag aaaacatttc aaatccagtt ctttatgat	349

<210> 1773

<211> 464

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (154)..(154)

<223> n=unknown

<400> 1773  
acattttctta ccacttgatt tgtttttccaa gcaagtgcta gaatttgctg gactgcagag 60  
gatcgctgag tgggggtactg tgtctcatag acatgcgcca cctccacgtg agaacaaggg 120  
tgaaggtgag ggaagcccct caccttgggt cttntgctgt gcctcctatg tatgtctggt 180  
ttgctggaag agtgattaat acatctttaa tttattaaaa aacaatgtag acctttaaac 240  
ttcagtcctta ttggaataa aagggaactt aattcataca ggtacttgat acagttatac 300  
attttccact tacaaaaaga agacaattct gttaaataaa acctgtatcg taaaatgtat 360  
ttttatttta cccacgagaa tgttgttatt tttagcaaata agaactcaat gcagtgcatt 420  
ggttattacc ctgtgtacct tgtccctcat tttgctgtga cacc 464

<210> 1774

<211> 421

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (138)..(161)

<223> n=unknown

<220>

<221> misc\_feature

<222> (300)..(413)

<223> n=unknown

<400> 1774  
ttacactatc ataaattaca aagtattggt cacttcacaa aataaaacca tttccagata 60  
attttttgac agtatcaaga agtacataaa ctacaacaaa caaatctgta cagttgggag 120  
gagggataat agcaggggnag aggtcaaacc tccctgtgcc naatggagtc catctgcata 180  
gcccttgga ctgtccaggt caacagtcac acaatgatgc tccacgtaaa atagtcattc 240  
tcttctgctc actccaaagc caagactggt gagtttacac aaatcatctc aatcaaaggn 300

aaagacattg cagttggntt ttttaaaaat ctagatttac agtttntgat gnttttaaata 360  
 tttcacctat gttacnaaaa tatagaaatc ttgggtgtgaa aggctcatgc tangataaat 420  
 a 421

<210> 1775

<211> 326

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (100)..(312)

<223> n=unknown

<400> 1775  
 agcgactgaa gattgacgct gcccgatcgc ctcggaagtc ccctggacca tcacagaagc 60  
 cgagcttcgg gtaactctca cagtggagga aggcaggaan nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt gtgatttggt 240  
 cctnnccac cctaactgat caatgtactt tgtaatctcn ccccaccctt aagaagggtc 300  
 tttgtaattn tnceccaccct tgagaa 326

<210> 1776

<211> 63

<212> DNA

<213> homo sapiens

<400> 1776  
 attctcaagg gtggggagaa ttacaaagaa ccttcttaag ggtgggggag attacaaagt 60  
 aca 63

<210> 1777

<211> 437

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (138)..(138)

<223> n=unknown

<400> 1777

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ctcctttact tcatcatgac ttgaagactc agaatatctt attggacaat gaatttcattg      60
ttaagattgc agatttttgt ttatcaaagt ggcgcatgat gtccctctca cagtcacgaa      120
gtagcaaata tgcaccanaa ggagggacaa ttatctatat gccacctgaa aactatgaac      180
ctggacaaaa atcaagggcc agtatcaagc acgatataata tagctatgca gttatcacat      240
gggaagtgtt atccagaaaa cagccttttg aagatgtcac caatcctttg cagataatgt      300
atagtgtgtc acaaggacat cgacctgtta ttaatgaaga aagtttgcca tatgatatac      360
ctcaccgagc acgtatgatc tctctaataa aaagtggatg gggcacaaaa tccagatgaa      420
agaccatctt tcttaaa                                     437
```

<210> 1778

<211> 360

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (341)..(348)

<223> n=unknown

<400> 1778

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atactgcagt gtcattggagg gagactaata ttaccacaaa gaaccttcaa taaagcttta      60
atactcacgg attttatata aaaaaagtca aagcaacaga gatataaata tccttttatg      120
aaacacattt cttcttgaaa aacagtcact tacatgcttt tattttgaag taaatttcca      180
```

gatggtgatc tagaaaccac aagtatttcc gggtaaggct gaagacccat ttgtttgtta	240
tctttcaatt tttgtactat aactttggca aattcttctc cttggatgtc agtagtgtct	300
agtaattgtc tgacttttga ggtccttgta ggcttggtac nnacangntc atagtcctct	360

<210> 1779

<211> 352

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (321) .. (321)

<223> n=unknown

<400> 1779

atcagggaga cagggcaaag gtttcaccct tcagttcagt cccaatccc tgcttattat	60
ttccctaaca gaagaccatc ccccttgcca ctccctgggt tttcttctct ggcagcaatg	120
aagcagctgc tgaccagct ctagttttcg ggaagtcaga tgaccttttc cctcccgcg	180
ctctctacct ctgcgcgcc ctagggagga caccatgggc cactgatgg ttcttttttg	240
cctgctgttc ctgtaccag gtctggcaga ctcggtccc tctgccctc agaacgtgaa	300
tatctcgggt ggcacttcac nctcagccat ggctgggctc ctgggagcct tc	352

<210> 1780

<211> 416

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (347) .. (395)

<223> n=unknown



<400> 1780  
aaattccatg tgaaagtga acaagcatga gtcaagtcaa ccaggggaagg aatctgggga 60  
caggccaagg agcgggaggt ggggcagcga ggcagtcctg ctggtaggag ccctgaggat 120  
ttcccagctt gtgtgcgctg cctctggcat cctagagacc cggatttact cagctaggag 180  
agaggatgga tcacagggtc taagggtggc cattcagagg tagaagatgg aggggcggca 240  
gattctggca gggcagcaga gggctcagt gcatggcta gaggggtaaa aaattcagga 300  
catccccag gtgctgcctc agccagggt gcatgaggaa gagattnatg tgaaagtctc 360  
gtggcggcgg gaccttncta cgagggggcc ttttncggga gttttgtca gcagag 416

<210> 1781

<211> 480

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (375)..(455)

<223> n=unknown

<400> 1781  
aggaagagcc ccacggccag ctcttctctg ttcccctggc ggcccctcgc ttcttccttc 60  
tggatggggg cccagggggc ccaggagagt ataaaggcga tgtggagggt gcccggcaca 120  
accagacgcc cagtcacagg cgagagccct gggatgcacc ggccagaggc catgctgctg 180  
ctgctcacgc ttgccctcct ggggggcccc acctgggcag ggaagatgta tggccctgga 240  
ggaggcaagt atttcagcac cactgaagac tacgaccatg aaatcacagg gctgcgggtg 300  
tctgtaggtc ttctcctggt gaaaagtgtc caggtgaaat tggagactcc tgggacgtga 360  
aactgggagc cttangtggg gataccagg aagtcaccct gcagccaagg cgaatacatc 420  
acaaaaagtc tttgtgcct tccaagtttc ctcnnggggt atggtcatgt acaccagcaa 480

<210> 1782

<211> 332

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (250)..(324)

<223> n=unknown

<400> 1782

```
cgtcccgact cagttactcc agtaccatca gccaccacca cacagatggc ctcagctcgg      60
atggcccccac accccaccct agcgaccacac gggtagagttt gctgagtatg tgagattaac    120
tggtggctca gtggtcggct cctctagtgg ataattccat tcaaagccaa tgctcttgat      180
gccaaggagt tgatactggc catagatgcc caccagcacc tgcccctctt ggctggggta      240
ggcagaggan ntctggccat caagcttccc aaaatagaaa tagnggncct tgctgggtgta      300
catgaccata ccccgngnga aannttgga gg                                     332
```

<210> 1783

<211> 468

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (448)..(448)

<223> n=unknown

<400> 1783

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caggaagaca gagaaagcag cacacacaaa ggatcgctc ctttctacc ccattactct      60
cagctcctga aaataaacc tgtgctaact ggctcctgct gtactggctt tcagcagagg      120
aaatggccct gagcctcacc cgagcagtgg cgggcgggga tgaacaggtg gcaatgaagt      180
gtgccatctg gctggcagag caacgggtgc ccctgagtgt gcaatgaagc ctgaggtctc      240
cccaacgcag gacatcaggt gaggagtgc tggctggcct gaaccaagg gacagcagga      300
caggatattc ttgcctgtag aacagttctt cctaattgga cgttctggct tcaggaggcc      360
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tggcttctaa ccctagttat gtcattaatc aaactgtgaa atacagagca gtcatttcac 420  
tctcagtgtg tctcatttta aaaatcanac cgtaacagta gtatctca 468

<210> 1784

<211> 470

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (448)..(448)

<223> n=unknown

<400> 1784  
caggaagaca gagaaagcag cacacacaaa ggatcgctc ctttctacc ccattactct 60  
cagctcctga aaataaaccc tgtgctaact ggctcctgct gtactggctt tcagcagagg 120  
aatggcct gagcctcacc cgagcagtgg cgggcgggga tgaacagggtg gcaatgaagt 180  
gtgccatctg gctggcagag caacgggtgc ccctgagtgt gcaatgaagc ctgaggtctc 240  
cccaacgcag gacatcaggt gaggagtgc tggctggcct gaaccaagg gacagcagga 300  
caggatattc ttgcctgtag aacagttctt cctaattggca cgttctggct tcaggagggc 360  
tggcttctaa ccctagttat gtcattaatc aactgtgaaa tacagagcag gtcatttcac 420  
tctcagtgtg tctcatttta aaaatcanac cgtaacagta gtatctcata 470

<210> 1785

<211> 468

<212> DNA

<213> homo sapiens

<400> 1785  
ggttgcagcc ggagccgccc agctcaccga gagcctagtt ccggccaggg tcgccccggc 60  
aaccacgagc ccagccaatc agcgccccgg actgcaccag agccatggtc ggcagaagag 120  
cactgatcgt actggctcac tcagagagga cgtccttcaa ctatgccatg aaggaagctg 180  
ctgcagcggc tttgaagaag aaaggatggg aggtgggtgga gtcggacctc tatgccatga 240

acttcaatcc catcatttcc agaaaggaca tcacaggtaa actgaaggac cctgcgaact	300
ttcagtatcc tgccgagtct gttctggctt ataaagaagg ccactctgagc ccagatattg	360
tggtgaaca aaagaagctg gaagccgcag accttgatgat attccagttc cccctgcagt	420
ggtttggagt ccctgccatt ctgaaaggct ggtttgagcg agtggttca	468

<210> 1786

<211> 356

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (273)..(353)

<223> n=unknown

<400> 1786	
acacaaatct taaaaactaa agcaagtcag ggaagcctgg aaagataccc agatttgata	60
acatgttaga aggaaatcca ggctaaggaa tctcattttc tagctttgat ctggttgtca	120
gttgggatgg acttgcccaa gtgatggccc acagaaaggc caaatttctt gtttttctcc	180
tcacctctgta cctctttttt cattaagaat cctgcctgga agtttaggtc aaagaggctg	240
cttgagcaa aatacagtgg tgtctcatcc canatattct ccaggcgttt cttccatcct	300
tccaggattt gaattcgggc gtctgctgga gtgtgcccaa tgcnatatgt canttg	356

<210> 1787

<211> 399

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (290)..(309)

<223> n=unknown

<400> 1787  
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 ggaccgagct cgggtgtatg gggccgtagg aaccggctcc ggggccccga taacgggccc 120  
 cccccacagc accccgggct ggcgtgaggg tctcccttga tctgagaatg gctacctctc 180  
 gatatgagcc agtggctgaa attggtgtcg gtgcctatgg gacagtgtac aaggccccgtg 240  
 atccccacag tggccacttt gtggcctcaa gagtgtgaga gtccccaatn nnnnnnnnnn 300  
 nnnnnnnnnc cttcccatca gcacagttcg tgaggtggct ttactgaggc gactggagggc 360  
 ttttgagcat cccaatgttg tccggctgat ggacgtctg 399

<210> 1788

<211> 450

<212> DNA

<213> homo sapiens

<400> 1788  
 aaaggtaggg aaagggacaa gaggggaacat accccttagt gtagagaaat gggaaggaga 60  
 aggagaagcc tcaaaaggag aggtgggagg ggaatgtcat taaggcagca aagtaatctc 120  
 tgtagaaaga tggaggagga ccctccatag cctcagagat aaaggcaaag attgccctct 180  
 cagtgtccag aagggaatg gcagcttttc ttccttccat ggcagccact ccattgctca 240  
 ctccggatta ccttcactct tatgtagata agagtgtctg agagctcgaa aggcagagat 300  
 tcgcttgtgt gggttaaaag tcagcatttc cagcagcagc tgtgtctccg actcctccat 360  
 ctcaggtacc accgactgca ctgggcgggg ccctctgggg ggaaaggctc cacggggcag 420  
 ggatacatct cgaggccagt catcctctgg 450

<210> 1789

<211> 394

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (284)..(371)

<223> n=unknown

<400> 1789

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gcagaggata aacaactgga aggagagcaa gcacaaagtc atcatggctt cagcgtctgc      60
tcgtggaaac caagataaag atgcccattt tccaccacca agcaagcaga gcctgttggt      120
ttgtccaaaa tcaaaactgc acatccacag agcagagatc tcaaagatta tgcgagaatg      180
tcaggaagaa agtttctgga agagagctct gcctttttct cttgtaagca tgcttgtcac      240
ccagggacta gtctaccaag gttatttggc agctaattct aganttggnt cantgcccac      300
agttgcactt gntggntctt tgggntttgg gctttgaaag gtatcataca taggagtatg      360
ccagantaaa nttccatttt tttgaagatc agct                                     394
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<210> 1790

<211> 455

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (317)..(336)

<223> n=unknown

<220>

<221> misc\_feature

<222> (455)..(455)

<223> n=unknown

<400> 1790

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gtgtacaaat tcagaggttt aaaaaacttc gaaagtcaca gacacagaat ttaggaagct      60
gaaggctgag agtctccctt ctacttaat ccatgcttta ttttgcattc ctacacaggta      120
aggaggcagt gcctgttatg ctgtggacca aaaccagccc cacggagctg atcttcaaaa      180
aaatggaatt tactctggca tactcctatg tatgatacct ttccaaggcc aaatcccaag      240
```

agaccagcaa gtgcaacttt gggcaatgat ccaaacttag aattagctgc caaataacct 300  
 tggtagacta gtcctnggt gacaagcatg cttacnagag aaaaaggcag agctctcttc 360  
 cagaaacttt cttcctgaca ttctcgcata atctttgaga tctctgctct gtggatgtgc 420  
 agttttgatt ttggacaaaa caacaggctc tgtn 455

<210> 1791

<211> 231

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (15)..(15)

<223> n=unknown

<400> 1791  
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 ctccagtgtc ataaacctgt acatgcagag tatctggaaa agctaaagct gggttgttcc 120  
 ccagccaatg gaaattctac agtcccttcc cttccggata ataatgcctt gtttgtaacc 180  
 gctgcacaga cctctgggtt gccatctagt gtaagataga gagaactggg t 231

<210> 1792

<211> 457

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (368)..(457)

<223> n=unknown

<400> 1792  
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ggtaggtata cccacaagta atctgatgac aaaataaacc acagactgat gtcaaattgga 120  
 caaaaaactg aaaatatgct gtgagaaata gacaaccaaataaatatagg gggttgtggg 180  
 gtgtggcaca gttaaggcat ctaaacaaaa attccacatg gctttggctt attaaaatat 240  
 ttacactat ttttttaaaa aaagatttga aagcatctga aaaacatgca aattgtttga 300  
 aaaccttgca tggcaaattc agacagtttg caagcgtcaa tcagatgttt gacgaggaaa 360  
 cgaaagangc ctctcccat gagactgcac atggtgggag angctaccca gttctctcca 420  
 acntacacta gatngcaacc cagaggtctg tgcagcn 457

<210> 1793

<211> 525

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (501) .. (501)

<223> n=unknown

<400> 1793

tgcggtcgtt ccctcggctg tggaccgggc ggcacgcacg cggcgcaggg taacatggcg 60  
 gatgcggaag taattatattt gccaaagaaa cataagaaga aaaaggagcg gaagtcattg 120  
 ccagaagaag atgtagccga aatacaaacac gctaaagaat tttgataagc tgaatgtaag 180  
 gacaacacac tatacacctc ttgcatgtgg ttcaaattcct ctgaagagag agattgggga 240  
 ctatatcagg acaggtttca ttaatcttga caagccctct aaccctctt cccatgaggt 300  
 ggtagcctgg attcgacgga tacttcgggt ggagaagaca gggcacagtg gtactctgga 360  
 tcccaagggtg actggttggt taatcgtgtg catagaacga gccactcgtt tgggtgaagtc 420  
 acaacagagt gcaggcaaag agtatgtggg gattgtccgg ctgcacaatg ctattgaagg 480  
 ggggaccag ctttctaggg ncctagaaac tctgacaggt gcctt 525

<210> 1794

<211> 555



<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (470)..(546)

<223> n=unknown

<400> 1794

```
tcactttcac tctcactctc tcgcttccgc ttcgcagttt ttgctgcttc ggcaactacc      60
tgcgggggctt ttaccacttc agcaaccacc tcttttttgg cagactcact gtagtcaaca      120
tactcctgct tccaggtggc aggtgtgctg tctgtgggct tcccatgctt gtccagaagg      180
ccctgcttga tcatcagctt cttctgactt gcctttggac ctaaacccca cttccgaggg      240
taagtgtctc tctccatgat cactctcttg atcttggcta ctataccatg gtcgcaggta      300
gagatgaccg ctgtgggcat taatgcaata gccatgcaga ttgcttctcc tttggtggtg      360
ataaccacaa tctcctgatt gacctcaatg cegtcctcat atcgaagaac acctggaagc      420
ataatcttgg ccccatagca gatggcattt actgcactgt ctttcataaan cagcccgttt      480
atgagatgtc aacagctttt ccaaagggtg aacaactcgc cgcaggtaac tctcatcctt      540
gtgggnatca tacag                                          555
```

<210> 1795

<211> 270

<212> DNA

<213> homo sapiens

<400> 1795

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taatgcttta tttttcccca gctgcttttt aagattttct ccttgtcttt ggttctcatt      60
agtttaatta tgatgtatat ggacatggat ttctttcggt tacccttacc agagttcaca      120
gagccacttg attgtgtttc agatatctgg gaagttctca gctatgattt cttcaagtat      180
tggtttctgt accatactgt cctgtacttc tgtggcattg ataacatgaa tgtagagcc      240
tttgacattg gccggggaat tcctgagact                               270
```

<210> 1796  
 <211> 448  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (156)..(156)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (376)..(435)  
 <223> n=unknown

<400> 1796  
 aaactctgac aaagcgggaat cctttcatct gtccaaagca tctgcaatct gaaaagtaga 60  
 agagggggaat ctccgttgcc ttttttctct cttcatcctg tcacctggcc caagagtaca 120  
 cccgccatgg aggggtgcgt acaagcaggg agactnaagg acccaatttc tagctaaagg 180  
 gtcaggaaaa tgaggggtct tgaaagctgg agaattgtga caggagagag cttgtgaaat 240  
 agatcccata aagttgcaca tgaatttgta gggtcacatg catggacctg accctaagca 300  
 gtattccagt gaatgagaac tgaactatta ggcagaacac cccagggttc agactgctca 360  
 ctggggggca taagcntagg actgttctga ttacatggc aaaggctttg aaactgaact 420  
 gatcggtctg gcgcngtggc tcacgctg 448

<210> 1797  
 <211> 515  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature

<222> (34)..(34)

<223> n=unknown

<220>

<221> misc\_feature

<222> (436)..(436)

<223> n=unknown

<400> 1797

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tggttaactga gctgcaatag aaatttcggg aganaataag aaatatgaaa gactgtacta      60
cagattctag gaaaggtaag aggaaaggag cctcttcac atgttttgta gaataaatgt      120
taccattggt catttaaaac ctagatagag aaatcatgtg ccagatgtca taatctgtat      180
ggttctttcc tgtgattact gataaaaatg ttatggaatg catttgggca ggagtaagtt      240
aatgaaaaga atttggaat actgaacttg gtataaaaaa tatgtattat agatgtctca      300
ctaggatatgt ttaacagttc ctaccctaac atacctgtgc tctcacaata agaaactcag      360
ctatttcagg tatccctgag attatagttg gaagttcggg atgggaaagt ttagtaacaa      420
gttgactcag atttntcct cgggtcttg cttttaatgc atatgtgtgc tctcattct      480
ttttaggcca aagcccagtt ccaagttcat aatcc      515
```

<210> 1798

<211> 375

<212> DNA

<213> homo sapiens

<400> 1798

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ttttaaggca tggagctgag aagtctggga gtgaggagat ccagtcagg ctaagcttgg      60
tggagcattt tccattgag agccttccat gggaactcaa tgttccatt gtaagtacag      120
gaaacaagcc ccgtacttac caaggagaaa gaggagagac agcagtgtg ggagattctc      180
aatagaaac ccgtggacgc tccaatgggc ttgtcatgat atcaggctag gctttcctgc      240
tcatttttca aagacgtcca gatttgaggg tactctgact gcaacatcta tcacccatt      300
gatcgccagg attgatttgg ttgatctggg tgagcaggcg ggtgtccccg tctccctca      360
```

ctgccccata tgtgt

375

<210> 1799

<211> 376

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (174)..(174)

<223> n=unknown

<220>

<221> misc\_feature

<222> (328)..(368)

<223> n=unknown

<400> 1799

tttgtttaca ataggcactc tctctacccc acctctcagt acttgagact taaagtgcta 60

caggcagctg gatctgtttg catgcaggat gaagagggtt aaaacactgt ttatataaga 120

tccaatctct caccatctct aaagcagccg ttggcctgtc atcagtgaga tacnatccag 180

tcttctcatg cacgggaaca cacacaccct gcgtttctcc cttccaggct aggaacctct 240

ctgccaccaa gggctgccat ccatcgcccta gtaaccacgg caaccaacc tactctaaaa 300

ccaaacaaa aaaataaaat aacacatnct ctttgcata cacatttttt ttctccccctt 360

tttggtanac tttttt 376

<210> 1800

<211> 574

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (507)..(552)

<223> n=unknown

<400> 1800

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ctgaagcaac gctgccatcc aaggggctcc tggggagctt gacgggccat cggtttgtag      60
tttgtctaga gtcacccttg caatgacatt cacatgtgga agatacggat aactctgttg      120
tttgcaggcc aagtgaattt gaaatctcca ggtagtactt ccccatccaa gacagtcttc      180
cacaagatcc agcctctttt caccagcaaa ttcccttttt cagagggtac tcatcccacc      240
ctccaacctt gggttttctt ctgaatcaca atggcctata ttagtctcaa gccttgaaag      300
actgagaaat aattcccttt ttcagagtgg cagtgaacat agatgtgctt ttaaactata      360
ggccatacgg ttagcctagg aattaacctt gaaaaccacc acagcaccag tgttcagcag      420
cccagagtag ggcaaagggg ctggccagtg gtggggtaga ggcaggcaaa gggttgagca      480
gagtgggtga atgggaggac atggggnaac cagtcagatg gcatcancca tttggaggca      540
gcattcttanc cnttaaaaaa caacatcagt tgca                                574
```

<210> 1801

<211> 317

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (163)..(169)

<223> n=unknown

<400> 1801

```
caccactgac ctggacccca acaaaaagct gattgtcttt ttaaaagtta ttattttgcc      60
ctgagcaaat tgcattttta ttggggcagt tagaatgttg atttcctaac agcattgtga      120
agttgaccat tgtgaagttt ctgtcccttt agaagagatt atnggtgang aagggagggg      180
cctgagagat tatagtgaga aaacttgcca gaattttgtt ttccaccctt atttgctgct      240
ctttcacttg ggcactgact gtaggatatg ttcccttgca tggatgtttt taacaataaa      300
```

aggactgact tgaaaaa

317

<210> 1802

<211> 273

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (271)..(271)

<223> n=unknown

<400> 1802

ggaacatatc ctacagtcag tgcccaagtg aaagagcagc aaataagggg ggaaaaacaaa 60

attctcgcaa gttttctcac tataatctct caggccctc ctttcttcac ccataatctc 120

ttctaaaggg acagaaactt cacaatgggc aacttcacaa tgctgtagg aaatcaacat 180

tctaactgcc ccaattaaaa tgcaatttgc tcaggggcaa ataataactt ttaaaaagac 240

aatcagcttt ttgttggggg ccaggtcagt ng 273

<210> 1803

<211> 480

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (373)..(456)

<223> n=unknown

<400> 1803

ctgaaaacga aacggcgctc cagcagattg ggtggaaaga gctgggtctc ttttctctgt 60

ttttcacgct agaaagggct tgtaaacatt gttcctttta aaatgacctt cccaggcat 120

ttgtttgggc acatttctgt cctgggggtca tcgttcttag gtggttcgg acctgggact 180

tttctgtat ctgcacattg tcgttttata cacaattgcc aaggtgggac tgctttcaac	240
tttactgtgc ttgaagctgc aaagcggatc ctgttacagt gcaaagaaga aatggcaaac	300
ggataacagc tactgtgcct agaagatggt tctgccctga tgtttctgg aataatgctg	360
aggactgcct ttngggtagc cgccctattc agttcacttc atctcgaaa tacctgaccc	420
ctgccttggg tccagcggcc ctctgagaa gctganggaa ggagggaat cctaattgtgt	480

<210> 1804

<211> 570

<212> DNA

<213> homo sapiens

<400> 1804

tccataactga ttcttctggg tactctggtg agccactcaa aaaacaattt ctgccaaacc	60
tttgggaaag tatcagtggg ttggtggcca aattcctcat caaatagtgc aaactgggtt	120
cctccaagct gtgacttctg cagagacaga aatgtccttg ttaagtaaca ctgtcctcaa	180
atcttctatg tgtatcatag cctacttcct cctgaatact acctttctcc aaatcaagac	240
tcaaaataat atgttttctt tttaatttct atcctaaatc ccatatagaa ggaaggatgc	300
aagacgtggg ctccatggga gacagagtat aatcaccaac taggtccaaa agaaaagcaa	360
agtcgtgtcc tgggttcctt tttccaagtt ccgagttgtg ggaagatggg ttgtggcagc	420
tccgggagca gacacatagg atttctcct tcctcagctc tcaggagggc cgctggatcc	480
aaggcagggg tcaggtatctt ccgagatgaa gtgaactgaa tagggcggct acccgaaagg	540
cagtctcag cattattcca ggaaacatca	570

<210> 1805

<211> 282

<212> DNA

<213> homo sapiens

<400> 1805

aagtaaacc agctttgatt tattttaatc tctacagttg gattatgggtg atccagttta	60
tgagaatgaa aattttctct tgatgtcttg atggagataa cacaatttga tgctctatt	120
tattcataaa agttgacaat tagttaaaaa aaaaaggcac atacctatga aaaccagata	180

agattatgca aacgtaagat aaataatgga gaatagaaat agacccatag ataatccaaa 240  
 taatgaagcc attaaatatc aattttaaaa tgttatgttt aa 282

<210> 1806

<211> 283

<212> DNA

<213> homo sapiens

<400> 1806  
 tgattaaaca taacatttta aaattgatat ttaatggctt cattatttgg attatctatg 60  
 ggtctatttc tattctccat tatttatctt acgtttgcat aatcttatct ggttttcata 120  
 ggtatgtgcc ttttttttta actaattgtc aacttttatg aataaataga ggcatcaaat 180  
 tgtgttatct ccatcaagac atcaagagaa aattttcatt ctcataaact ggatcaccat 240  
 aatccaactg tagagattaa aataaatcca agctgggttt act 283

<210> 1807

<211> 255

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (121)..(127)

<223> n=unknown

<400> 1807  
 ggcctgattt ggtccatggg catagtttga caaacagtgg tttgaacaaa tggacctagg 60  
 gacttcagca gtaatccagt cctgaactaa gcaatactat accatttttt tgtatagctt 120  
 ntatatntat acatgaagtg caataccaca taacgttagc tctgatctag tctgcctggc 180  
 tgtaagtcct ggcattctct gggtattgac agtgtgacat tgggcaaatt aacttctctt 240  
 tgcgtcagtt tttta 255

<210> 1808



<211> 460

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (446)..(446)

<223> n=unknown

<400> 1808

```
gatgcatcac cagtatatta caacagagcc attaatcttg tagcttcac aacattaact      60
ggtttgcttt catgacgctg ctgaggaatc agttctttct gcagagggtc aagtgaaatg    120
ctttttgcga aatgtgcaag ttccttttgt acatttacia aagctttatt tactctgtta    180
actttttcct cattcataat gtttatcttc ttaagattag tggtaactgg ttttgctttg    240
tttttagcct taaagttttt ttggctggct atgtgaaata cattcctgga ctteggccct    300
cttaatttgt tcttgcccat tgtctagaaa agaaaataaa ttcaattaaa ttgccacat     360
ttatgaaccg taagtcaatt ttaagtttta aaggtaccaa ttaaattctaa aaaattctat    420
cttactcttg atatttttaa agtgngcat atatatttcc      460
```

<210> 1809

<211> 279

<212> DNA

<213> homo sapiens

<400> 1809

```
cacgaatgct gaaattttccg ctggtgtgag aatttcaagt ttgcacctgt ctctgtctga    60
attttctaatt gtatgccaga atggaaacat cagatgtagg aattttatcg gtcaatttct    120
taccctgttg tttcagtatt ttttgcattt cacttctcct ggcactatta ctagaagaga    180
atagtagaat tcaggaggga cctgacattt gtgttaccct ctttcaaac ccttttatcg     240
acattatttc atttgacctg tgcagcttcc ctataaggc      279
```

<210> 1810

<211> 597

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (231)..(583)

<223> n=unknown

<400> 1810

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cacattatac attttttgga tagcgctggt tttgaatgta gacaccatca cagcagtgac      60
tgtcttttct gctetaactg agcaccacaac acagggcctt gagaatataa tagatgctcc      120
ataaataacc atcagatgaa cagttggctc tgatatctac ataaggcaat aaccaggcct      180
tggactacaa gacaggaggc cctcaccctg atcctagccc taatggaaaa ncnnnnnnnn      240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      300
nnnnnnnnnn nnntgcctta tagggaagct gcacaggcca aatnaataa tgtcnataaa      360
agggttttna aagagggtaa cacagatgtc aggtccctcc tgaattctac tattctcttc      420
tagtaatagt gccangagaa ntgagatgca aaaaatactg anncaacagg gtaagaaatt      480
gancgatnaa attcctacat ctgatgtttc cattctggca tacattagaa nattcagaca      540
gagacaggtg ccaacttgaa antctcacac gagcnggaat ttnagcattc gtgacga      597
```

<210> 1811

<211> 400

<212> DNA

<213> homo sapiens

<400> 1811

```
ctaattgctta catgttccag ccccaactccc ggctcacact cttaggcaga aattcattgc      60
tcctgtaaata taagtaataa ttaataccgc taatgagaaa tctgggagta caggagggtga      120
ttttaaaaaa tgctcgtatt tcctttgatt agagtagcaa ttgttaggga tacatgagcc      180
agatttggtt ttatgtaaaa aaaatctttc agttgatgag ttcttggtta aattgtattg      240
ctgtggcaat ttcttattgt aataatatgt aggagaattt ctaatttgaa tccctttatt      300
```

tacagaaagc tcaactgtaaa tttgtaggaa tgtcatggta ctacccatt aagttatttt	360
tattagtgtt tagttattga ttcagcagtc tctaattgtg	400

<210> 1812

<211> 347

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (207)..(227)

<223> n=unknown

<400> 1812	
tggtgacgac atcgttagaa gatacgccca tgtccaatat ctgcaacaga agtcaatag	60
aagttaaaga aaccatacta aaagactaaa gacaaaaatt gtatgacatt acttaccctt	120
aattctgtgg acaataaaac aattaacact atgtttaaaa ttgaggtttc atcacaaggt	180
gaaatagtgg caagttaatt atcaaannnn nnnnnnnnnn nnnnnnncca tcttttcctt	240
tccatgtaga agtgggcaac ctcttcaaag gtatagtggc caccaactat catcatctga	300
gggtatttat acgagcagag aaggggtaaa ttgcaaagga gtagtgc	347

<210> 1813

<211> 369

<212> DNA

<213> homo sapiens

<400> 1813	
aaatatcata gaacatttaa gaaagttag tataaataat attttgtgtg ttttaatccc	60
tttgaaggga tctatccaaa gaaaatattt tacactgagc tccttctac acgtctcagt	120
aacagatcct gtgttagtct ttgaaaatag ctcatTTTTT aaatgtcagt gagtagatgt	180
agcatacata tgatgtataa tgacgtgtat tatgttaaca atgtctgcag attttgtagg	240
aatacaaaac atggcctttt ttataagcaa aacgggccaa tgactagaat aacacatagg	300
gcaatctgtg aatatgtatt ataagcagca ttccagaaaa gtagttggtg aaataatttt	360

caagtccaa

369

<210> 1814

<211> 567

<212> DNA

<213> homo sapiens

<400> 1814

taatacatat ggttcaaaat gtataatata tcaagtagta cagtttttaa attttatgct	60
taaaacaagt tttgtgtaaa aaatgcagat acattttaca tggcaaatca atttttaagt	120
catcctaaag attgattttt ttttgaaatt taaaaacaca ttttaattca atttctctct	180
tatataacct ttattactat agcatgggtt ccactacagt ttaacaatgc agcaaaattc	240
ccatttcacg gtaaattggg ttttaagcgg caagggttaa atgctttgag gatcctgaat	300
acacctttga acttcaaatt aaggttatgg ttgttaattt aaccctcatg cataagcaga	360
ggcacaagtt agctgcatgt gctctagact gtagagcgag ccaccgttga gaagcaaagg	420
acagcagcag gaagagcaat ggaacctcct caggacttac caggctgctg cacaggatct	480
agcttctccc acctaatgat ggcacattga aagccttggt gcagcagcac ccccatctgt	540
ggaagcacag gctgcttgca cttctcc	567

<210> 1815

<211> 384

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (188)..(188)

<223> n=unknown

<400> 1815

gaaattgata aatctgaatt tgatggggtg accacaaatt cgaaacacaa atcaggcaat	60
gcaaagaaac aagtttccaa gagaaaaact tcagataaaa agggaagata tcagaaggaa	120

tgtcctcagc attctctctt tgaagatatt aaacagcgga aagtattaga cctcagacga	180
tggtactnca taagccgacc acagtataag acttcttgtg gcattctcttc attaatttct	240
tgttggaatt tcttatacag cacaatggga gctggaaacc ttccacctat tacccaagaa	300
gaagctttac atattctggg tttcaacctc catttgaaga tattaggttt ggtctttcac	360
ggggatacaa cacttatgag gtgg	384

<210> 1816

<211> 215

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (16)..(206)

<223> n=unknown

<400> 1816

tttctgtcca gattanaacac tcntaacttg aaaggacaan aatctgtgcn tatctgctta	60
tntatctgca atcaccacc anaatcanat acaagcttan tatctggnga nctacaaggt	120
tatttttnt nccanangat cnnctcctat ttaatgnagg cttactacaa nctnctactg	180
tnttnatacn gtctgtatn tagcantttc atata	215

<210> 1817

<211> 251

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (79)..(152)

<223> n=unknown

<400> 1817  
caggaggaca ccgggaagac ccttcactct catggggaga gactgtccag gtgggactgt 60  
ggaagagcgc ataggtatnn gagaggagag anatggcgct ggtcaganct acctaccccc 120  
acgaccttgt ngggcacctc aggccctgac cnacctgggc tcttctgcct acccttttct 180  
attgttgctg gaaggaacaa gcaaagtctc aggtttctgg gcacagatgc tccagtgaga 240  
gctcagggga a 251

<210> 1818

<211> 577

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (96)..(96)

<223> n=unknown

<220>

<221> misc\_feature

<222> (275)..(553)

<223> n=unknown

<400> 1818  
aagcatttta caaacaata caattgggga aactgatca gacaaggctc aacaggccgc 60  
tggattccag gagttctcag agccttcagc tctctnggag gagaggccac gacgcacaga 120  
ctctcctgag ggtaatgaac taggacgctt tttttaaaat ctctttgacc ccattgtccc 180  
tgggccacac atggggaaag gtgaccctag gccccttgaa aactaaccca gttggaggag 240  
ggcaacagga actctatgca gaagaggtgt gtgtngntgn anannnggn ncnttgggca 300  
gcaggcgggg gcagntcctt gantttccct ganctctcac tggagcatct gtgcccagan 360  
acctgagact ttgctgttcc ttccagcaac aataganaag ggtaggcaga agaggccagg 420  
tggtcagggg tgaggtgccc cacaaggtcg tgggggtagg tagttctgac cagcncatc 480  
tctctnctct cccctaccta tgnngctctn cacagtccca cctggncagt ctctcccat 540

gagagtgaag ggncttcccg gtgtcctcct ggtggtg

577

<210> 1819

<211> 248

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (169)..(234)

<223> n=unknown

<400> 1819

gaagagtgga agaaaatctc cactatcaat gaaccagac tcttgtcttc ttcaagagca 60

agggcctccg gagatccaaa ctgtgattga accaagtgc gactcctaata gctcttgaaa 120

tacacagccc ctctaggag cttaccattt tcaccttct tgcctatgnc cttgcnttct 180

agttccaaat attttagcca gcttcactgt ggaatagtct ttcagnnaaa aganttcctg 240

ctgttatt 248

<210> 1820

<211> 459

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (116)..(153)

<223> n=unknown

<220>

<221> misc\_feature

<222> (298)..(298)

<223> n=unknown

<400> 1820

```
ccacattaag gagttaagaa cataatgcaa aaaatgggaa agggctatat acaggtactt      60
tgccaccatc attgttgtgt gtttgcctct gtgttcttcc tttctgctg ccaggngaaa      120
ggagagggga caggataaag agaaacacan gngngaagg aaagaacaag cactcctgag      180
ccctaggcag acgtggacag acagaagggc accagcaggc gttgcaacat gcccagggca      240
cccaccaagg gcagctcttt tacaccttct gcaaaaagga ggggacctgg agggcgcnat      300
aatgaatgga tttgattgta gaaaaggggg cgagggttaa aagaaaatgg ggtgagatga      360
agattccatc agaaaactta gctgtacaga gaaaacatca aggctttggg ggagatatca      420
gattccaatc ttttccaga ttttgggatc agttcaggg      459
```

<210> 1821

<211> 509

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (494)..(494)

<223> n=unknown

<400> 1821

```
tgtgtccagt gcggctggag agcaggatgg gtggtgcaat gcccagggtg caagcatact      60
ccatgaggcc cagtctgtga acagagacca ggtctaacct cttcttccag gaaagcctcg      120
tagggccttc tggccaagag gccacgagtg gtgaagactg cagactctga aatcagaaat      180
acctgggctc cactgtcagc atggcagctg aggaagagtg aaaattcctc taagttcttt      240
tagaagtccc agcctcccca tgtaactggg gaactgatgg gaggagcaga gctgtctgtg      300
cacataagaa gttctcagta aatggagaca gttactatct ctgttattat tgaatttgaa      360
caaattccct gggatgtgtt ggggggacac ttcagggtgaa aacacgcccc tcttccctg      420
gtgcgggggc tgtgtgtcca cctctggaag cctgcagagg ggcagggaaa acagacctga      480
acaaaagtgt gcanccagtg aggaggtgc      509
```



<210> 1822

<211> 400

<212> DNA

<213> homo sapiens

<400> 1822

```
cccaatcaca ctgtttgcga aaagacaatt acagtaccaa aggggaaaag actgattctg      60
agggtgggag atttggatat cgaatcccag acctgtgctt ctgactatct tctcttcacc    120
agctcttcag atcaatatgg tccatactgt ggaagtatga ctgttcccaa agaactcttg    180
ttgaacacaa gtgaagtaac cgtccgcttt gagagtggat cccacatttc tggccgggggt    240
tttttgctga cctatgcgag cagcgaccat ccagatttaa taacatgttt ggaacgagct    300
agccattatt tgaagacaga atacagcaaa ttctgcccag ctggttgtag agacgtagca    360
ggagacattt ctgggaatat ggtagatgga tatagagata                          400
```

<210> 1823

<211> 596

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (426)..(442)

<223> n=unknown

<400> 1823

```
acaaggagca ccaatggaat agccaccggt gtaatgttta ttctgtgga tgtttcttcc      60
gaggggatgg gccttgtgat tgtctcatct tctttcttag ttgaaacact ggtgctttga    120
cttgtcttgc gccacaccaa tgaatcatta ccttgtgtaa tctggcaacc aatgagctcc    180
accttcaagg ctatcctctg gtgccatgtc tgggggacaa cccgcacata tctggccacg    240
atgggagggg tgaaattggt ttgcactggg tcccgaagt tagagttacc ctgaaacacc    300
ttttcttcat tattcacaat tcctttatag gtcttccact tagaattatt gtttttgaag    360
ttcatcacia aactcttaac ataaaagttg aagttcgact gtgtagatcc tgtgggtcct    420
```

aatgtntctgt tatttttcttt tntctcccca aatcgatctc cagccactct cgtgggtttgt 480  
 ggttggttgct actgtcgccc gaagcccatg atgggccttg gtcttgaagt cgggcttggc 540  
 caggagacca gtgaacttgg tctccaactc tcattgaacc gactgccatg aggaag 596

<210> 1824

<211> 368

<212> DNA

<213> homo sapiens

<400> 1824

caagcaggag gttccaaaaa gcactcaaac catctcagaa aattgggtgtt tgatgatttt 60  
 tgtgattctt caaatgtttc taataaagat tcttcagaag atgatataag tagaagtga 120  
 aatgaaaaga aatcagaatg tttttcttcc ccaaagacag gattttggga ctggtgttcc 180  
 acaagctatg cccaaaactt agattttgaa agttcagagg ggaacacgat agcaaattct 240  
 gttggagaaa tatcttcaaa attgagtgag aaatcaggct tatgtttatc caaaagggtg 300  
 aattctatct gctcttttga aatgaaccgg acaagaacat ccagtgaagc atcgatggat 360  
 gctggctt 368

<210> 1825

<211> 568

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (525)...(525)

<223> n=unknown

<400> 1825

tgcagtatta atgtaaaaca gtacaatatt aatgtaaaat gttcagtgca cattaaacag 60  
 catacatacc cattttttaa gacctatata ggcataccaa atacgcttag aacaatacac 120  
 tttttcagag cctaaattaa aaattgtgct tacctcttac ctatcttcac cccctcaaca 180

ctttcacag aaaagttttg tctacataa aagatattct atcagccaac tgaaacctct	240
ttttcttaag tatggaaaac acagcaagca aaaatgctac catgcatagt ttccacaaag	300
aacaggaaca tgcaaacaag aacatacta ctcaaaagaa aactccctg gaatgcaagt	360
ggatcaagaa cttggcgatg agctctttca aacctgttac atctggaaca atgaagctat	420
gatgtttagg ttctctataa cccaagtgt ccatgccttc ttcccatagt atgctaattt	480
ctgatttaca cacatacaca cacacgcaga ggagaaatgt agctnctaac ataaacaatg	540
tcttcatatg aaaatgtttc tttctact	568

<210> 1826

<211> 424

<212> DNA

<213> homo sapiens

<400> 1826	
ctgttggtg tggttggtgca tgagtttgca tgactttctg gaggcattgga gttaggtaag	60
gctacatgag aaattgagct ttccactgg gttttgaaag aagagtatga tgtgaacaag	120
taaagactga atggggctga gatgaaggca atgtttccaa ggaaaggaaa tggtatgagc	180
aagagtgtga ggcaagagaa gctggaacca cattcagaga gtatcctgta gattgctcca	240
cctagaatct caggtgggtg gagcagtggg gggagaagac tggaaaggta agttgaagg	300
aaggaatgtg tgggtgggct cagatcccag gctattcct caaatcactt cttacttccc	360
tcacttatct ttgtttaaat aagggttagta cattcactag gggcaaattg gttttcta	420
aat	424

<210> 1827

<211> 444

<212> DNA

<213> homo sapiens

<400> 1827	
gaaaaatggt cgctacagca tctctcggac ggaggccgct gacctctgca aggctttcaa	60
tagcaccttg ccacaaatgg ccagatgga gaaagctctg agcatcgat ttgagacctg	120
caggtatggg tcatagaag ggcacgtggg gattccccgg atccacccca actccatctg	180
tgcagcaaac aacacagggg tgtacatcct cacatccaac acctcccagt atgacacata	240

ttgcttcaat gcttcagctc cacctgaaga agattgtaca tcagtcacag acctgccccaa	300
tgcctttgat ggaccaatta ccataactat tgттаaccgt gatggcaccg ctatgtccag	360
aaaggagaat acagaacgaa tcctgaagac atctaccca gcaaccctac tgatgatgac	420
gtgagcagcg gctcctccag tgaa	444

<210> 1828

<211> 128

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (26)..(128)

<223> n=unknown

<400> 1828	
agtagcacat tgcattctgtt aagtgnccca gctcacctgt aatngttatg nttcnancgg	60
ttgttncatt ccaagatnat ggtgtangng ttacaccccn natnttcattn tcnacattct	120
gcagggttn	128

<210> 1829

<211> 188

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (23)..(23)

<223> n=unknown

<220>

<221> misc\_feature

<222> (153)..(167)

<223> n=unknown

<400> 1829

ggtgaattta ggaaaggaat ttntgggtat aaactaagag cttgatagga gttggaagga 60

aactcttact aaaatgttaa ctttctaaaa accttctttt agatcttcct tgggcctttg 120

gaaaaatatg tgacaagtga atgtaagtct gtnccctggng,agctaatagt gcattagtct 180

atctcagc 188

<210> 1830

<211> 170

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (167)..(168)

<223> n=unknown

<400> 1830

ggaacttatt accattacaa aggaggcttg gccagggact ccactggttt ggtgatctct 60

gccaagaagg gggatgtaaa caggtggtaa agtttaacat acccgccaag gaactcgttt 120

atgttggtcg atagagcatt caggatacct taaagtttaa taagagnngc 170

<210> 1831

<211> 542

<212> DNA

<213> homo sapiens

<400> 1831

ttaattgcaa aatatatcat tatttcacag tgggggtttta gtactcataa caatcttctg 60

gttttagtag aacagatacc cactggtgta tttttttcac atttgttttc tataatttct 120

tcccctctac tatttcatat aaagacacta atgtgggtcaa acattaaact atcaattgac	180
aatcaccttt tgcttcctta ttaggaaata accttcattg cttaactgca actcaagaga	240
attagggcac agtcaaccat gtcactgata aaaacataag aagtaatgca tcacatttat	300
tccaatctaa acacactgtc acagatgtgg taagtgaact ggaacactgg tgttccccag	360
tgggtcatca gctacatata catcacattc ttttatcaaa tctggcattg aaatttcctt	420
ttccatatat aggttttaaaa aaataaaatt aaaaaagcca caggagcaac cctgacagag	480
aagtcttgca tgcagcttct cctgagaaaag tatgtaatct tagttatcct cgaagtcagc	540
aa	542

<210> 1832

<211> 475

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (447) .. (447)

<223> n=unknown

<400> 1832	
gcagttctgg gactcagcca ctgggacgct tgtgaagagc catctcatcg ctaatgctga	60
cgtgcagtcc attgctgtag ctgaccaaga agacagtttc gtgggtgggca cagccgaggg	120
aacagtcttc cattttcagc tggtcctgt gacatctaac agcagtgaga agcagtgggt	180
gcggaacaaa ccgttccagc atcacactca tgacgtgagc actgtggccc acagcccaac	240
agcgctgata tctggaggca ctgacaccca cttagtcttt cgtcctctca tggagaaggt	300
ggaagtaaag aattacgatg ccgctctccg aaaaatcacc tttccccacc gatgtctcat	360
ctcctgttct aaaaagaggc agttctcttc ttcccagttt gtccatcact tagaactttg	420
gcgactggga ttccacagtt gcaacangca agaatggggg actcttccac tctct	475

<210> 1833

<211> 388

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (52)..(329)

<223> n=unknown

<400> 1833  
gatttgtgaa aagcaacagg gtagacagtt caaggaagga cacacacagt gncctgnttt 60  
aggtnccnaa tttcttcttt ttaatgggtg gtgggagctn agcaatnatg tnatccanan 120  
gccgttctac tgccacgant gttctttcat ccaaaagatc catgaagagt agangcttat 180  
atatcttaga aatttttaaaa gcatgagctg tgcacctccg gatgacatcn gattcattcg 240  
tgaggaggaaa tggattgnag agtaangttt tgtcatttgg aangggcaat gacttgtcaa 300  
tgatgcagaa catgtaggca tcatggagna ggatgtgcat cggctctcttg ggatgaaaac 360  
tgatgtgtgt aacccgagta tccctttg 388

<210> 1834

<211> 111

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(98)

<223> n=unknown

<400> 1834  
aaaccngtn nncattgcta tcccactaga gatctcagaa ttacaacatt cataantatc 60  
tgcgtttatg tagtgcattt tacttctcaa acagnttnca tggttactat t 111

<210> 1835

<211> 214

<212> DNA

<213> homo sapiens

<400> 1835

```
gttaaatacag catttcccca aagaatatat catatgacgc tagttccaag gggcttgact 60
gagtgggtgtt ttgctggggg gagacagggg tttgttaata cactttacta aatactgagc 120
tgaaaaatgt taaatagatt tcacgattgc ctccttgaag attttaaagt tcattgtggt 180
tcttcaaggc gaaatccggt gaaccattcc tcac 214
```

<210> 1836

<211> 525

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (480) .. (480)

<223> n=unknown

<400> 1836

```
tacataccta gcatcacaaa cagttgcact ggggatccgg tccctggcaa cctgctccgg 60
atccagttgc taggctgtcc tgcttctact gaaagccagt ctttgcattc agaaacagtt 120
gctgaggctg catgtctctt tttgccctta ggattatgat gttgatgaag aggacatgat 180
gaatcaggtg ttgcagcgct ccatcatcga ccagtgagca gagtccgtgc ttgctatctg 240
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgactc ctgtacctta 300
cctgttcaac agaoctgaaa atgagccatg gcattgggac agggtcattc tgacagggga 360
agtgggtccc caggtcagcc cttctcttcc ctttgggctc ttgccaaagt gtcttcccct 420
actgttaacc ttgtttgtca cacggtcgag ttcgtattgg ttctcggtac ttccctggagn 480
tctgccgcct cctgtggaag ataatctaag cttttcacct cttgt 525
```

<210> 1837

<211> 391



<212> DNA

<213> homo sapiens

<400> 1837

```
gtcagttgaa ggatttagtt tcttaaaagc aagaaatggt ggagtgttga atttttaaat      60
agaatctctt ttcattgttg aatgattggt attagttcta gaagcattct ctttgtcatg     120
acccgattat gtatactctt ggggttagga aggacaaaag tgatgaaatt tgcattgagat     180
agaataaata tcttaggagg agtgaaagaa cctgaggaag agacacgacc ctaagggaat     240
gaatgcataa gcagtcttct cagtagccca gagtttccag gaaacaggaa tatttatatc     300
ccttgcccac tcttaaaata catagatata taaaaggca gtctctgtag acaacacatg     360
cacaccacc caccacaaaa cattattcct g                                     391
```

<210> 1838

<211> 549

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (513)..(528)

<223> n=unknown

<400> 1838

```
taaaagacct caaacgtatc tatatctgta catgtacaag aactgtcaaa aattattcac      60
agaacaaaaa taaatcttct ttagaacaaa cccaggtaat gaaatgctga tacggatctc     120
acatacgga taatctaaat gctgctagca caaaaatatg gcttaaaaaat aaaataaaat     180
cttgggtttg tttttctaag gtgtatttct ctttcttgaa ataaaaaata aattatttag     240
agctatcatt gtaaaatagt cgtgtgttaa cacactctta ttaaggccct ggagatgaaa     300
aacaaaatca aatttagaag gtcatttcct cacagggtga actcagggtta atgtgctgct     360
gtctgcttaa gttaataata ctaggaaatg tctaagcacc agtcaaaatt taacctaat     420
tactatttaa ctttctgaa ggtgggtcatt gagtcaatta gtatttaacc ttttggtgaa     480
ctgggaattt gaaatgggtc cctcgaaaat ttnggaaatc acataaanat gatatttaca     540
```

cataaatat

549

<210> 1839

<211> 269

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (8) .. (255)

<223> n=unknown

<400> 1839

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acgggccagc caggccagca cagaggcacc agggcagcag tgcacacagg tccccgggga 120

anccaccatg tggagcggat gntggtgtng gcccttgtgg gcgtctgcan tgcagattct 180

ttcgggacga ggcagagatg atcatgaggg actccctgt cattgatggg gcacnatgan 240

cttccccctn ggcanttgct tggatattg 269

<210> 1840

<211> 392

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (343) .. (343)

<223> n=unknown

<220>

<221> misc\_feature

<222> (566) .. (608)

<223> n=unknown

<400> 1840

```
tactaaaaca ggtgatttta ttcattaata aatattaaat acattgaaaa acatgacacc      60
cctattagga gaatgtaaag aaaaaaatatc cagatatttc aactattatc agtcactgtt      120
aaaatcaaca ttacttttat acttaacacc ctttttgta acttaccag gaaacttgcc      180
tggtacttcg gaaggtgccc tcctcctctg gcaaagtctg ttgctttctg ccggactgag      240
agccagcagg aggtcaca gcccattccag gtttctcggg ttacaaagaa actaggcccc      300
agagaggaca tgtgttttcc taagattgca aaactgagct ggnataaagg cttatagatg      360
ttattaaagg ggcagcaagc cctttatact gt      392
```

<210> 1841

<211> 647

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (566)..(608)

<223> n=unknown

<400> 1841

```
atgagaacag ttctcacatt tatttaaaga tatagagggt atggatatag ataagtatgc      60
ccgactatga tccttaattc agcaatctaa tattcacaat gtgtttgttg ccatttagct      120
atztatccca acatgccctt aaaaaaaca ccaaaaaacc acatgtgcct agacaggggtg      180
gaaaaagaaa caccaaggcc ttgctaataa ggagaagcct aaaaaagata aaattcccac      240
ggcagttctg ttcaactgta gcctgtgagt gcaggaataa tgttcccgtg gggaagcatt      300
atgcccagtg gtttcttggt gtcaacgtgg gaaagccctt gaggttttct gtcgctgtca      360
ggaggaagca cgaaaactgt ttatggaatc cagtcgacgt tcaggcaccg cgcatgaac      420
gcaaacatgt ctgagacttc ctctatcact ttggctgtgg gcttccccgc cccgtggccc      480
gccttggtgt ccaactggat aagcaggggg ttgctttgct tcctgctgcg gccacgatg      540
tactgaaggg tggcaatgaa cttcanggag tgaagcggga ccacgcgggc atcatggtca      600
```

gcagtganga gcagcattga cgggtaactg gatgtcactg cttctgg

647

<210> 1842

<211> 343

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (236)..(236)

<223> n=unknown

<400> 1842

ctccgaggcc gcacgtgga gaccgaggca tacctggggc cagaggatga agccgcccac 60

tcaaggggtg gccggcagac ccccgcaac cgaggcatgt tcatgaagcc ggggaccctg 120

tacgtgtaca tcatttacgg catgtacttc tgcataaaca tctccagcca gggggacggg 180

gcttgctgtc tgctgcgagc actggagccc ctggaagtct ggagaccatg cgtcanttcg 240

cagcaccctc cggaaaggca ccgccagccg tgtcctcaag gaccgcgagc tctgcagtgg 300

ccctccaag tgtgccaggc cctggccatc aacaagagct ttg 343

<210> 1843

<211> 331

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (216)..(216)

<223> n=unknown

<400> 1843

gggaccacgc tccagccata cagcttcac cgtgtccagg tccctctggc caaagctctt 60

gttgatggcc agggcctggc acagcttggg ggggccactg cagagctcgc ggtccttgag 120

gacacggctg gcggtgcctt tccggagggt gctgcgaact gacgcatggt ctccagacct 180  
 tccaggggct ccagtgcctg cagcaagacg caagcncctg cccctggct ggagatgttc 240  
 atgcagaagt acatgccgta aatgatgtac acgtacaggg tccccggctt catgaacatg 300  
 cctcggttgc ggggggttgc cggccaaccc t 331

<210> 1844

<211> 355

<212> DNA

<213> homo sapiens

<400> 1844  
 cgatccgcaa cagccctac gatgggtct tcatagcgt gctggtggag gaggccaca 60  
 cccacgatat cctggccgcc ggatttgacg gcatgtacac ctactttgcc tccaatggtt 120  
 tctcctttgg ttcttcccat cagaactgga aagctgtgaa gaacttttgt gatgccaaca 180  
 acctcatgtt catccccagt gtggggcctg gctacataga caccagcatt cggccctgga 240  
 acaaccacaa tacgcgcaac agggccaatg gcaagtacta tgagacggcc ctgcaggcgg 300  
 ccctgacagt gaggcccgag atcgtttcca ttacctcctt caatgagtgg cacga 355

<210> 1845

<211> 436

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (54)..(54)

<223> n=unknown

<220>

<221> misc\_feature

<222> (355)..(355)

<223> n=unknown

<400> 1845  
acagtagcac tgaacatggc tctagtgagt gggcctcagt tcaggcagct aaanggaggg 60  
ggatttcctc ctagtcctct ccctagagct aaatatgcat ctgggaaaaa ttaggctctg 120  
gagcacagag gtatttttct agaggaaaaa gaactgaact cccagcacta ggtaaaactg 180  
caaaaagaaa aacacctgtg cccaggcact agctacaagg ccacaccaga aaaggaaagc 240  
tgggtcctgg aagcttcagg acaggaaactc ttccttggtc aagttttccc cagcacctag 300  
cacataggaa ggtgcttgat gagtgagtgt taaatgaacc tgtgagtgt caggntgatt 360  
tcctgataat tgggttcagg aatctactgg gaggagctta aacctagaag ttcccttttt 420  
gaaagtctca aatatg 436

<210> 1846

<211> 443

<212> DNA

<213> homo sapiens

<400> 1846  
cggactacct cataaatggg atgtatctat agtaatgtaa tttcaatacc ttggggcagg 60  
gacatgtttt gtttataatt tatacatcta ttaagttctg gatatttaca gcttcttttg 120  
tttttaattg ggccagaaga ttctgcaaat cccaaatctt tctttattat ttattgtaaa 180  
aaaagtttcc ttagaagtca taaaatattt tgaaatttag agaggaattc atgattaaag 240  
attcctaaaa atataattct gatztatgta agctgtccct gaaaatagaa atgtgtactt 300  
agctgagaga aaattcagca tctcaggagg tggattagg atgactgtgt taaccatta 360  
cctttagaag ccaactgttg gcccttacc atgtggact gctataggcc cagcttcccc 420  
ttgttctgtg ggcttttctt cct 443

<210> 1847

<211> 426

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (389)..(410)

<223> n=unknown

<400> 1847

```
gttatggcta tagttgacat ctttccatat aaaaacaaac tgcacagcat cacatataga      60
gtacagacat ctttaagttca ttcacaaagt taatttttct aaactgccct tcaaaaattt     120
acatctttgc tcaattctaa acattcaaca aaattagctt cccaagaaac aaaaatgata     180
ccaattttct ttgcttttct agaagtaact ttccatttgt tcatgtattt tgatatgtta     240
tattccccac ccgaattaaa ccctttgtta aaagaacaac ctactttagg ttcagtctaa     300
aaataaagcg gactagattc cggagtgttt ttcaaataatt ttaaaatatt tgccacttat     360
ggttaaaaaa aacgtgaata aggatatcnt gtgagtgtag ataggccncn tactatacac     420
tcctct                                           426
```

<210> 1848

<211> 323

<212> DNA

<213> homo sapiens

<400> 1848

```
caagccctca aggagggcag gatacgaggg gcagccctcg acgtgcatga gtcagagccc      60
ttcagctttg ctcagggtec gttgaaagat gccccgaatc tcattctgcac tcttcacact     120
gcctgggtaca gtgagcaggg gtcactggag atgagggagg cagctgccac cgagatccgc     180
cgagccatca caggctgcac cccagaaagc ttaagaaatt gtgtgaacaa ggaattcttt     240
gtcacatcag cgccttggtc agtaatagac cagcaagcaa ttcattctga gctcaatggg     300
gccacataca gatatccgca agc                                           323
```

<210> 1849

<211> 565

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (527)..(527)

<223> n=unknown

<400> 1849

```
ctcagtatgc agttcagatg tgagaggcgc ttctctgtac agcagcctgt actgtcttca      60
atcctatgcg tgcaggtgtc taccacaggc aaacagtttt ctccccattt tgtagtaatg     120
tgattttcct attagcaaaa agaggtcacc agcccctgta gacttaaggg actcaagtca     180
caggatgggg atttcctctt aatatttttt attttggtgt ttgaactctt gatgcaacat     240
tgtagagcag ggtgttcagg acctgctgtg cccaaggac tgataaagga aaaagctcta     300
tttattcttt ttgtgatttg atgcacagat gaaaaactta acacacaata acagaagttg     360
gtcgttaata aatcacatcc tagtctttca gcgcttcctg aagcagacga catcttcagt     420
tttctagctc ttgtagtttc aacactgcaa catcaatgat gcatatgtcc agaatcagtt     480
acaaagacca tccgttcttt ttctcttagt cactattttc actgtcncctg gtccaagtgt     540
actgagtgat tactttctggc atcct                                           565
```

<210> 1850

<211> 404

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(46)

<223> n=unknown

<400> 1850

```
cgaatatgga gagacgtggc ataaagggtg tatcttggcc aacaancaaa actgctttga      60
tgactttcag tgtgctgctg agtatctgat caaggaaggt tacacatctc ccaagaggct     120
gactattaat ggaggttcaa atggaggcct cttagtggct gcttggtgcaa atcagagacc     180
tgacctcttt ggttgtgtta ttgcccaagt tggagtaatg gacatgctga agtttcataa     240
```



atataccatc ggccatgctt ggaccactga ttatgggtgc tcggacagca aacaacactt 300  
tgaatggctt gtcaaatact ctccattgca taatgtgaag ttaccagaag cagatgacat 360  
ccagtaccgc tccatgtgct cctcactgct gaccatgatg acgc 404

<210> 1851

<211> 380

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (303)..(361)

<223> n=unknown

<400> 1851  
tagataagta tgcccgacta tgatccttaa ttcagcaatc taatattcac aatgtgtttg 60  
ttgccattta gctattttatc ccaacatgcc cttaaaaaaa acaccaaaaa accacatgtg 120  
cctagacagg gtggaaaaag aaacaccaag gccttgctaa aaaggagaag cctaaaaaag 180  
ataaaattcc cacggcagtt ctgttcaact gtagcctgtg agtgcaggaa taatgttccc 240  
gtggggaagc attatgcccc gtggtttctt ggtgtcaacg tgggaaagcc cttgagggtt 300  
tcngtcgctg tcaggaggaa gcacgaaaac tgtttatgga atccagtcga tgttcaggca 360  
ncgcgcgatg aacgcaaaca 380

<210> 1852

<211> 410

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (372)..(381)

<223> n=unknown

<400> 1852  
ggaattttaa aaatcaaatt tttctcttca cctttatgac ttgacatttc cttgatctgt 60  
tggaggctaa aagtaggtat aaatgatatt gaatggtggg tatagtgata ctctgccata 120  
gttcttactg catgaagaga acaagagtca cacaagttca ccactttgca cttcatagag 180  
aaggtacata gagacattgc aaaacctgct tccatttgct atcctgataa ttaaggtttt 240  
cataatacct agggcctgct tctgagtaat ttttaattttg ccaaatacac tgacatttaa 300  
aatagtgatc catctaaatt tttttcagct gggtttgagg aatataagag ctttccaatg 360  
ataaaggttg tngtagtgct ntagtgctga atttgcagat gatccagatg 410

<210> 1853

<211> 281

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (136)..(191)

<223> n=unknown

<400> 1853  
ccatagcacc ttggcgatgt tgaaaacaaa tacaaataca aggatgtact cattttaaca 60  
ttttatgcat gagcatgtgt cacaccaatt ttgggggtaa cagtttgaca acaggaacaa 120  
atctaagcaa tcgacnaaac agaagccgga taactggctc tgacccccac ccccaacatt 180  
taagagatgc naggacacct gaattatgtt aaaaaaatca agttgatatg gatattcaac 240  
agtgtctgtg ctgccaaaac tgaaataaac cattattcac a 281

<210> 1854

<211> 482

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (332)..(360)

<223> n=unknown

<400> 1854

```
gtgtctttgg acttatatatt tatatactac agttattact tggcatgaca gcaagcgctg      60
tggcgggcttt gatcctcatg acgtcctcca tcatgtcggg cgtgggggtcc ctgtacctgg      120
cctacattct gtactttgtg ctgaaggagt tctgcatcat ctgcatcgtc acgtacgtgc      180
tgaacttcct tcttctcatt atcaactaca aacgactagt ttacttgaac gaggcctgga      240
agcggcagtg caacccaagc aggactgacg cccgacagac tccaccctaa cagtctcaag      300
cccccttcca ttcagtttat ttgacgagc gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn      360
cacaacagac actttcccta agaattctaa actgattttt aaaaatccgg taaattagaa      420
gggggcctcg ctattttctg tgtcagtctt cattttaaat atgggtacca aaaagatacg      480
cc                                                                                   482
```

<210> 1855

<211> 485

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (51)..(66)

<223> n=unknown

<220>

<221> misc\_feature

<222> (383)..(484)

<223> n=unknown

<400> 1855

aatacttatt ccaagattat atggtaaata tttatatatta tactgccaga ntacatagag	60
aaacanggat ttaattctaa gttatattac cccaaaaaga aatactttct aatattgaat	120
tcaacaagat gtaccaccaa cagagacagt gaatgtattt caccttccta aacagctatt	180
tttatatgaa aatcctaaat tatctacatc agtcaatgac tggcatttca agagtaaag	240
attcatttta cttacaatgc atcaagataa aaaggttaca ctgaacaact agaatgttta	300
ctgaaattaa tcttattaaa gtaaaactta aaaaacttat ttgggacatt ttcattgctt	360
acactcaacg aacgtgaaac agngaaaaac agtcacagaa tcgtgctaag ttataataa	420
ataattcaca tacaacatag gttaaattat cnaagaaatt aaactgacat ctttatacct	480
tttng	485

<210> 1856

<211> 454

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (11)..(66)

<223> n=unknown

<400> 1856

cagggcacgg ntctctctgc ntctcccgga ccacttagtc tcaacccgga atgaaatatg	60
actgangact ctacagagaaa ctttcgttca gtatattatg agaaagtggg gtttcgtgga	120
gttgaagaaa agaaatcatt agaaattctc ctaaaagatg accgtctggg aatcttgcc	180
ccacaccacg agtcccatgc caaggtgatg atgtatcgta aggagcagta cttggatg	240
cttcatgccc tgaaagtcgt tcgctttgtt agtgatgcca cacctcaggc tgaagtctat	300
ctccgcatgt atcagctgga gtctgggaag ttacctcgaa gtccctcttt tccactggag	360
ccagatgatg aagtgtttct tgccatagct aaagccatgg aggaaatggg ggaagatagt	420
gtcgactgtt actggatcac ccgacgcttt gtga	454

<210> 1857

<211> 455

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (353)..(353)

<223> n=unknown

<400> 1857

```
caccaaagca agaaaagtgt attattcaat cagtttccca gatcacatgc caagaacaca      60
atgctcactg tgggtgcctgg cagacgggtcc acaaccagcg ggtgcgttca gcttgaatgg    120
accgggggtcc cacagtgttt gtgccacaag tcaatggcct tgctcacgat cgcgtctgag     180
ctgtcctggg gaatatcttc cagaaacttt gttatcttct ctgcactggt cagtgccata      240
acttttattt taaagggttaa taaaatttcg acagctacaa aaactaggat cttacaggat      300
ccactcacia ctttatccca aaccctctgt aaactggatt caggcaaaca tcncgcaaag      360
cacctcttga accagagatc ataaggaagt ttgggcgcgc cggaacacat cctcagatga      420
gtcagcagtc tgccatcttc cagattcaag tattg                                  455
```

<210> 1858

<211> 578

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (506)..(570)

<223> n=unknown

<400> 1858

```
gtcgaaaatg gaaaacagat atcaggattt ggaaaaaaat ttactacaa agcaacagtt      60
atgtttgaat gcgataaggg tttttacctc gatggcagcg acacaattgt ctgtgacagt     120
aacagtactt gggatcccc agttccaaag tgtcttaaag tgtcgacttc ttccactaca      180
```

aaatctccag cgtccagtgc ctcaggctct aggcctactt acaagcctcc agtctcaa	240
tatccaggat atcctaaacc tgaggaagga atacttgaca gtttgatgt ttgggtcatt	300
gctgtgattg ttattgtcat agttgttga gttgcagtaa tttgtgtgt cccgtacaga	360
tatcttcaaa ggaggaagaa gaaagggaaa gcagatggtg gagctgaata tgccacttac	420
cagactaaat caaccactcc agcagagcag agaggctgaa tagattcccc aacctgggtt	480
gccagttcat ctttgactct attaanatct tcaatagttg gtattctggt agttcactct	540
catgagtgca actgtgggtt tagctaatan tgcaatgt	578

<210> 1859

<211> 441

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (408) .. (408)

<223> n=unknown

<400> 1859	
atTTTTTaaa aaatgagcaa taaagaacct ctatcagtga gacttctcat tttatagcaa	60
atacattttt gcagcttaaa ttttcttgaa ttcataatag cttctgtcat ttaaacaac	120
ttccagagaa aactggtctc tatatattta agtaacaaat ttgacaaaat acatatttat	180
acatatatag atctctaata taaatattaa atttgaaaaa atcaaagtgt aagcagaaac	240
tgctatacaa gtatattgta taatatttat tttatacatt aaagtatttg gttgaatata	300
cttcaattag gtttctaaaa aacaccatta tctgcttctt agtaattgag acattcttga	360
aaagcatgtg aaacgggtat aaacttcaac tctgtggctt aattcagnat tcctgtttgt	420
tctcctcaaa cttttatctt c	441

<210> 1860

<211> 466

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (332)..(445)

<223> n=unknown

<400> 1860

```
agctgccccat catcagtgtg gacaaçctcc ctçctgcctc atcaggggaag cagtaccgcc      60
tggaagttgg acctgcgtgc ttçctctgac ctctgacctc gtggccactc taggcctcat      120
ggaggaggga agaggaagag gcaaggggag ggtactgagg ggcagatggc tccaggagag      180
gcagctcccc tgcccaaggg tcçttgggca gacccçagct gttgtctgcc cagtagaagt      240
gggtgggggt aggaggggat aggggtgtcct tgggaacaat ggatcccagc ttagccççaa      300
agaccaacca aagagccagc çagagtaagc tngacctgca acctgcctga nccççgtggc      360
ctctcagctc tgggccaacc cgttccçctcc ccagttctgc caaagagccc acattcaagc      420
aacttgagga aggggggtctc gtcantggtc ctgtaggagt attatg      466
```

<210> 1861

<211> 557

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (128)..(128)

<223> n=unknown

<220>

<221> misc\_feature

<222> (264)..(542)

<223> n=unknown

<400> 1861

cttttttcat gtctcctttc taatattgca catcaatagc tccctagcag ggaccagctg	60
acgagacgcc cccttccctc aagttggctt gaatgtgggg ctctttgggc aggaagctgg	120
ggaggggancg ggggtggccgc agagctgaga ggccacgggg ctcaggcagg ttgcaggctc	180
agcttactct ggctggctct ttggttggtc tttggggcta agctgggac cttgttccc	240
aaggacaccc tatccctcc tacnccacc cacttctact gggcagacaa cagctggggt	300
ctgcccgaagg acccttgggc aggggagctn cctctcctgg agccatctgc ccctcagtac	360
cctccccttg cctcttctc ttcctctcc atgangcta gagtgnccac gaggtcagag	420
gtnagaggaa gcacgcangt ncaacttcca ggcngtactg cttccctgat ganggaagat	480
ggaggctgtc cacactnatg atggggcagc tctcgagccg aattccgagn tacgtacgcg	540
tncatggacg gtcatag	557

<210> 1862

<211> 462

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (22) .. (22)

<223> n=unknown

<220>

<221> misc\_feature

<222> (412) .. (412)

<223> n=unknown

<400> 1862

gatcaaggaa ggaaatctta tngggaagaa ggccttagca atgcttaaatt ttatggaaat	60
atgattgatt tccagtatta tcctttgcc aagctgaact gccattctgt cacagctctg	120
tgtctgatac aaggcacata gattctgtac ttaccatccc caaattgcaa tgtctcagac	180
tcaggcttag agcatggcat gaacatcaaa ggcaggaacc tgtttatctt tgaattggaa	240
agatacagca aaattacact gtttggaaat acgaatagag gaggtaaaat tgttgcagtg	300



gggtacccaa agggattcga gacctcaagt tttttttcat cttgtatcct tcagggtcctc 360  
 ttgcccttg ccaatgtggc ataattgact acactctgga atcctgactg cnacagggtgt 420  
 acaggaaaca tttgtctttt gttgctggaa agctgctcaa at 462

<210> 1863

<211> 427

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (10)..(414)

<223> n=unknown

<400> 1863  
 tctttgtcan anaaaaccca anacanacan atacaaagtt tcagctgctc acctcctgat 60  
 aagtgnanaa aataacctna gaactnaca tgacatcnaa gnagacacat ttttccctc 120  
 tcacatttcc cctnagtnac attcatcctg aaaaaactgg aaaaagatgg cgaaacatgg 180  
 aaagaaaagn ngcagggcct tacagnaaat gttcttngat tngagcagct ttccagcaac 240  
 aaaagacaaa tgtntcctgn acacctgngg cagtcaggaa ttccagagt tagtcaatta 300  
 atgccacatt ggccaggggc aagaggacct gaaggatata agatgaaaaa aaacttgagg 360  
 nctcgaatcc ctttggttac cccactgcaa caantttcac tcctctattc gtanttccaa 420  
 acagtgt 427

<210> 1864

<211> 360

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (13)..(54)

<223> n=unknown

<220>

<221> misc\_feature

<222> (168)..(168)

<223> n=unknown

<400> 1864

```
ggcaaaccct atncccgat gtgcattagt ggatttgatg agcctgtccc aganctctgc      60
agcctcaagc ggttgtctta ccagagtggg gatgtccctc tgatctttgc cctgggtggat    120
catggtgaca tctccttcta cagcttcagg gacttcacgt tgccccanga tgtggggcac     180
tgacctcaca gctctgcaga ggatggagct tgctccgggg gaccgggact gtctgttctc     240
agggaccatc tcggctgcct cctgtaccca gactctaacc tgtagcttca gagggcagtc     300
tgggccttgg ccctgggtgt ctgatactca cagagtgaaa tgtgaccctc tcccttcctt     360
```

<210> 1865

<211> 434

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (382)..(414)

<223> n=unknown

<400> 1865

```
gcacattggt tttcctgcct ttttatggct gtctaaagtc tagggaaaag ggaagactgg      60
ttaatgatga gtagaaaaaa cttgtaagct aatcattcac tgacttattt tcttccatt     120
ttctggtttt taaaattagc cacaccacag gaaaccaca tttttagatg gaaagagcaa     180
gaaaattgtg tcagtgtctt tagttatttt catcttaatg gtatagtga aagacattga     240
cttgagatga tactaaggaa gctttggctc actctcactt gaagagggga tcttggtggt     300
```

gtagtacttg gactgtacaa atgttttact gacttttctt actgctgtaa aggaatcagg	360
cagttgggta ttgatatggt anttggtgct ctccattcat ggcaaaggat ttgntaaata	420
aaagtcttta aaca	434

<210> 1866

<211> 384

<212> DNA

<213> homo sapiens

<400> 1866

tgaatatattt ttctcagtga tccttgttct gatgaatatt acatttcac cttagttttg	60
ctcatttgat tttgcttttag tgtttaaaga acttttattt atcaaactct ttgccatgaa	120
tgagagcacc aaataacata tcaataccca actgcctgat tcctttacag cagtaagaaa	180
agtcagtaaa acatttgtac agtccaagta ctacaacacc aagatcccct cttcaagtga	240
gagtgaacca aagcttcctt agtatcatct caagtcaatg tcttttact ataccattaa	300
gatgaaaata actaagagca ctgacacaat tttcttgctc tttccatcta aaaatgtggg	360
gttcctgtgg tgtgggctaa tttt	384

<210> 1867

<211> 393

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n=unknown

<220>

<221> misc\_feature

<222> (247)..(285)

<223> n=unknown

<400> 1867  
 cnttcacttg gatggcagtt gagtctctga aagagattca tcccgaagtc ttttaagtga 60  
 agagaggcaa agcttagctt agtatttcct ttctgaagag cacatacccc tgtgtaaaat 120  
 tgaggagcaa cagccttaaa tggaagcagc tgtgattccc cgccctgtg aaggggctgt 180  
 ggccctgcag atgccacggc tgtggatgcg tagagcttgg gtaccctccc tggcttcatg 240  
 gctgacnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttgcc atctgcaaaa 300  
 tatggataca gaccctgctt ccctcctggt ttactgagg tactgtgaga gccagtgaaa 360  
 tcacggttat gggatgctca gcattctgct gca 393

<210> 1868

<211> 354

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (74)..(112)

<223> n=unknown

<220>

<221> misc\_feature

<222> (272)..(323)

<223> n=unknown

<400> 1868  
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 tgaagccagg gagggtagcc aagctctacg catccacagc cgtggcatct gcagggccac 180  
 agccccctca caggggcggg gaatcacagc tgcttccatt taaggctgtt gctcctcaat 240  
 tttacacagg ggtatgtgct cttcagaaaag gnaatactaa gctaagcttt gcctctcttc 300  
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<210> 1869  
 <211> 422  
 <212> DNA  
 <213> homo sapiens

<220>  
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 <222> (69)..(71)  
 <223> n=unknown

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 attaataattt atcagcagta tcataatttc catcctctta tttcagaatt tcacttgagg 180  
 caaaaatacc acaagtgtaa ttactctagc acagctatta atgtgctgga tgataggcca 240  
 ctgcgtcaca tgaccttcta ttgttcatgg gtttaaagag aaagcagggc tttgtatttc 300  
 tttttcttct tttaaagtcg actgtagcat cttggctttt gtctgggggt ggggaggatc 360  
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 ag 422

<210> 1870  
 <211> 469  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (191)..(462)  
 <223> n=unknown

<400> 1870  
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ccagggaaaa taagttacta atgaatggta ttacagtgg cagcatcgaa gcatgctttc	120
atttactctt ctaaagttac tgtgtaaact acaagtaatt aaaagaaacg cagaaagtag	180
tttctcctat naaatgtggt tcaggcnaaa aataaataaa tataattacc gaaaggctaa	240
ggccagngaa tcngccacna aacngaaacn ggggaaatgg ccnatcaaca aannccagga	300
gccgttagac gattncgggc cngtnnggtc anagtcgtgc tncataaata tctgtttaat	360
gtccataaat atctgtttta tgcagagcaa gaccagngc tctgtcagt anctccnccc	420
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<210> 1871

<211> 397

<212> DNA

<213> homo sapiens

<400> 1871

caaaatatat ttcaacagta attaacaatt tttaggggaa gtacacaggt gtttaataga	60
gatacctaact ttggagtttag agagattcaa gcttttctac ttctagatat gtgacaaggt	120
caggtaaggc aggtttcttg gttgtccctt ttgactgt aaacagagtt ttcattcacc	180
gtctgttggg gtcttagctt cattcacgag tctcctgtta cagctggtgc ctgcctgagg	240
tagggaagtc gatcttctac cccttgaca atcattaagg gagaaagctc caagtgtcca	300
ttctttggta agaatcatga gggaaaaaaa gggttccgca cttctctctc agtattcctg	360
cttttatttc attttttgac ctttgtggaa tcctttt	397

<210> 1872

<211> 471

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (194)..(350)

<223> n=unknown

<400> 1872  
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tggtggctgt tggttgcatt gtaggtggtt ttctaattta taatatctat aaagtgggttc 180  
aggtttaaat accnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aagaattaaa 360  
ccaagtgaag ccaagtgcta gacagtttta gctctcaaaa cttatatattc cccattttcg 420  
gttcagaaat gggtagaatt cagttagggtg caacattctc cacacatctt t 471

<210> 1873

<211> 343

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(4)

<223> n=unknown

<220>

<221> misc\_feature

<222> (306)..(333)

<223> n=unknown

<400> 1873  
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tgaaggtgaa agaagccagc ccagcggatg ctgaaccacc ccaggcttca cctggacagg 120  
gggctggcag ccccaactccc cagctcctgc cccctataga agagcacccc aagatctggc 180  
tacctcgggc cctgaggcag acctacatcc ggaaggttgg ggacacagtg aacctactaa 240  
tcccattcca gggcaagccc aaacctcaag ccatctggac acatgatggg ctgtgcttgg 300

acaccngcgt gtgagtgtgc ggaatgggga gcnagactcc atc

343

<210> 1874

<211> 436

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (44)..(428)

<223> n=unknown

<400> 1874

gacatggtgc cgaagctcct tgaggacaca gtctcaccac tggngggctt cctggaggca	60
ctttgtcaga gtacgatgcc ttcttaggtg tcctcaatta ggaactttca catccaccag	120
acagtncaca gatgcctccc ctaggggggtt cacngccttg caggtataga tncctnnatc	180
aaagggaccc ggcttnccga tctctangga gcagattncc aggtganaca ggnctctata	240
cttngggntg cctnggatat ncntcttggt cttcagcnag atgntcttgg gccggggana	300
ngcgcgga cagcagaaga gctgggnatt atanccggtg antgtagtgc agttggccag	360
aggctgggna aactttgnng cttcagagaa gtctcgntgg ggnaaacccc ttggtcttgt	420
taacagtngc tgctttt	436

<210> 1875

<211> 416

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (187)..(187)

<223> n=unknown



<220>

<221> misc\_feature

<222> (327) .. (407)

<223> n=unknown

<400> 1875

gcagcgtgga ggctcccagg accaagtcct gcgcctcttt ggcgggggtgt gtgcaggagg	60
aggggggata aataggaggc tccctcctcc cggcgacatt cacggagcgc gccggcctcc	120
cgccctgggt gtttccttgc cttgtagcca gggtgccagc ctgggaagta gtttcgtttc	180
cttctgnctc cgggattagt ttccaggcac cctctcaggc gcccgaggcc cgggaagggg	240
gcgaagaagg agggagactt gtctaggggc tgcccggccc ggcagagcgg ggttgatgga	300
ccggggccgc cgggtgcagc gcgccantcc ctgccactgc tcttgccctt tgccctgggt	360
ctagtgatcc ttcattgtgt gtggcaaatg ggaattccac cagaagncct gaaaac	416

<210> 1876

<211> 259

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (228) .. (256)

<223> n=unknown

<400> 1876

aaataatttc gttggacaag ttgcttgtgc ctttccatgc tgactatcag actctgcgcc	60
cctgaggcta cctgtgcccc aaagacaagc cccttgagct cccatgcagg ctgagctcca	120
ccccaaagatc tgggctcctt ctgccttcag ctgcagcagc ctgcccagga ctacctaagc	180
ttgtggccaa gctcaccag acctcaggcc cttgaaagca gggtattnnc aaggnttnnn	240
cccannnga nagnnnaaa	259

<210> 1877

<211> 425  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (48)..(416)  
 <223> n=unknown

<400> 1877  
 agcacaccaa gaacctgcac cggcactgag ttccctcagt ttttattnat tattatcttc 60  
 attattttcag caaaaangaa tgtagtagga gggcagggtn ataataagna nanggtcann 120  
 cacaaacatg tnancaatnn natctatgnc ataattnagt ttgnannnaa ggtactatnc 180  
 ctggganatg cacgtaggcc acaatttatg tntctctcca cccaaacatc tcantggagt 240  
 aangcatnac aaggnagcat tgctgcnaac atgtctcgcc tcccangata gggcngtnnn 300  
 nnnctntcn cagggttgga cnaatntnca atcaggtntt atnccgncac attcagttcc 360  
 cangggcagg caggagacag tggccttcct ctatctnaac tgcangagggn cntccncttt 420  
 tacta 425

<210> 1878  
 <211> 372  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (336)..(370)  
 <223> n=unknown

<400> 1878  
 aactgtaatt ctttcttggt tgagatccaa gaaccttctt gtagggctctg gattgggacc 60  
 cttttctggt aacatcttcc tggtgaccat gaagggacaa tactgaagag acccctgacc 120

ctaaggaaat agactgcagc accaatgggc caactttggg gcgatcatct tgcccagaaa	180
catcatgttg aaactcttgg tcagaggttg gatgaaagct gacaggggcc atccaggagc	240
aagtttgagc cttgccagtt ccattttggg tgctgagtgg agtggcgact atagcaaacc	300
tgtgatctct ggctgctgct ccagaagaaa caaganggga gggatgaata tgtaaaactc	360
tggatcatan tc	372

<210> 1879

<211> 283

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (3) .. (248)

<223> n=unknown

<400> 1879

ttnccanaaa ccatgnactg ggaaactggt gaaancaagc tgntatgtgg cngctagctn	60
attccaatag aggctcagaa ttagaatatt gatccagagt nttacattat tcatccctcc	120
ctcgtgtntc nctgntcag cngctcnnag atctacaggt ttncnatanat tcgccactcn	180
actcagcacc caaaatggaa ctggcaaggc tcaaacttgc tcttgatgg accctgtcag	240
ctttcatnca acctctgacc aagagtttca acatgatgtt tct	283

<210> 1880

<211> 508

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (131) .. (290)

<223> n=unknown

<220>

<221> misc\_feature

<222> (395)..(489)

<223> n=unknown

<400> 1880

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ttccaggccc ctcatgcaga cctgggggtcc tcctggggccc tggcccccaa acctcttggc 120
acccggttgt naccacctgg cagcttctcc cccaaactct cctaccatgt ggccctgctc 180
cttctcccgt gtctntcttc ccacagtttt ctcttgacct aggggctctc ttctgcccac 240
ctctctggat gnnccccgtt ctctccattg cttgttagcc aggnccccan ccccaactgag 300
tctgccctat gacctgcctt tggatgttac ccaagccatg gagagagccc cttctccatc 360
cctgtcctgt gccccccagg ctgattggga ggganggcac tggaacactg ggcatgatct 420
ccagctctgc ncttgccctg ccaagctccc tgcctgttg atgctgaact acagccttgg 480
gacaagcang ctttgggggt ggacgctg 508
```

<210> 1881

<211> 306

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (165)..(165)

<223> n=unknown

<220>

<221> misc\_feature

<222> (276)..(276)

<223> n=unknown

<400> 1881  
agctgttgct cagcacaggc ctagcagagc ccactgcagg gggacggcag cgggcaccag 60  
aggccttgcc tggcccaacc caatgggaac acccagactc agctgggtcc ccaagggaga 120  
cttggcacat tggcatgggt gtgggacagg taaagcatgc aagancgaga agagggacat 180  
aaggggcatg cggctgcggg gtgttgggac ccaaataaat aaagcaggat gacaggggtcc 240  
ccttccccctc accaggaatg cctggacagc gttcancccc aaagcctgcc tgtcccaagg 300  
ctgtag 306

<210> 1882

<211> 540

<212> DNA

<213> homo sapiens

<400> 1882  
gtcctattga gaaccacggt tacctatatt atgtattaat attgagttga gcaaggtaac 60  
tcagacaatt ccactccttg tagtatttca ttgacaagcc tcagatttgt cattaattcc 120  
tgtctgggtt aaagataccc tgattataga ccaggcatgt ataacttatt tatatatttc 180  
tgttaattct ttctgaaggc aatttctatg ctggagagtc ttagcttgcc tactataaat 240  
aacactgtgg tatcacagag gattatgcaa tattgaccag ataaaaatac catgaagatg 300  
ttgatattgt acaaaaagaa ctctaactct ttatatagga agtcgttcaa tgttgtcagt 360  
tatgactgtt ttttaaaaca aagaactaac tgaggtcaag ggctaggaga atattcagga 420  
atgagttcac tagaaacatg atgccttcca tagtctcaa ataatcatat tggaattaga 480  
aaggaagtag ctggcagagc tgtgcctgtt gataaaatca atccttaatc actttttccc 540

<210> 1883

<211> 537

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (82) .. (531)

<223> n=unknown

<400> 1883

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aagtacttac ataatttctg tnttggnnca gtgtggtnc a ctctcaatca ctctcagttc      120
tttgataaat ttgggggtgga aaggtttggn gtatgtcttt atgcactgac atctaagttn      180
tttagcactc ctgggnaaaa ctgnacntgt tggnggaaaa agtnattaag gattnanttt      240
atcaacaggc acancnctgc nagctacttc ctttctaatt ccaatatgat tatntggaga      300
ctatggaagg natcatgttt ctagtgaact cattcctgaa tattctccta gcccttgacc      360
tcagttagtt ntttgtntta aaanncagtc ataacthnca acattnaann acttcctata      420
taaagagtta nagttcttnt annacaatat caacatcnnc atngnatttt tntctggnca      480
atattgcata atcctctgtg ataccacagt gttatttaat agtagggnaa nctaaag      537
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<210> 1884

<211> 429

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (19) .. (19)

<223> n=unknown

<400> 1884

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gccagaacac tacagccng tgtgcggctc ggacggcctc atgtacttct cactgtgcca      60
cgcaggggtgc cctgcagcca cggagacgaa tgtggacggc cagaagatgt gtccgtgacc      120
ctcagagatc ctttgccctg ggaatccagt ggattgtagt tagaatacta gggggcatcc      180
cggggcccat cgccttcggc tgggtgatcg acaaggcctg tctgctgtgg caggaccagt      240
gtggccagca gggctcctgc ttggtgtacc agaattcggc catgagccgc tacatactca      300
tcatggggct cctgtacaag tttcagttac cagaggtcca ccacagtctg aatgtattaa      360
ataggaattc cagaagcaaa cagttcataa cctttaaagc acgcgccgtt ctgcaaagtc      420
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tggtgaaat

429

<210> 1885

<211> 260

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (59)..(59)

<223> n=unknown

<400> 1885

gaggacacac aagccttcct cgggctgcag gcccgccgcc ctcccagtgg gattcacanc 60

ccctgctggag tttgtcctca cgcacaccac acacgatcgg gtataaaaca cattctataa 120

acacgttctg atgcaaaactg tgtgtccata aatatatatt tatgcaagtt cctcccaccc 180

actgcagggc cgtacagctc tggggacagg aggtcacagc cgactttaaa ccacagggtta 240

agtagaaggt tgcagggtcaa 260

<210> 1886

<211> 234

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (17)..(215)

<223> n=unknown

<400> 1886

tgtttttct gcaacgntca cgaacatgaa catcaaaggn tcgcatgga aagggtccct 60

cctgctgctg ctggtgtcaa anctgctcct gtgccagagc gtggccccct tgcccatctg 120

tcccttcgag acctgtttna ccgcgccgct gtccctgtccc actacatcca taanctctcc 180

tcagaaatgt tcagcgaatt cgataaacgg tatanccatg gccggggggtt catt 234

<210> 1887

<211> 328

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (20)..(104)

<223> n=unknown

<400> 1887  
ggagactttc ttaaataagn gctctcccc caccatgga gaaaggggcg gctgtttacn 60  
nnnnnnnnnn nnnnnnnnnn nntatatttc cctcctgctc ctntgctgt cacaagctaa 120  
gttgtttatc tcggctgctg cggaactgc ggacggtggc gggcgagcgg ctctctgcc 180  
agagttgata ttcactgatg gactccaaag aatcattaac tcctggtaga gaagaaaacc 240  
ccagcagtgt gcttgctcag gagaggggag atgtgatgga cttctataaa accctaagag 300  
gaggagctac tgtgaagggt tctgcgtc 328

<210> 1888

<211> 367

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(8)

<223> n=unknown

<400> 1888  
gcaggcnngg gaggaggcgg actggtcag gagtggggat cgggggttcc ctggagtggc 60



gatggaaggc agccctcgct gcatgcttca cattacagag ggtgggaggg ataccgctg	120
cccgtccctc ggccaaagac tgatgcgaag gacctgcaa tggggagatg gcgtatctca	180
ctgacaggac ctccaccttg gaccaaata aagagatcta cattccaaag gaaactggct	240
aggagagacct ttaagccgtg cctactcttt ggaggagga ctctcaactg aagcttctgc	300
ggatgggttaa ctgggtggat gtcttcccgc ttccttggcc gtgattttat caacttgta	360
ctagaca	367

<210> 1889

<211> 488

<212> DNA

<213> homo sapiens

<400> 1889

acaatgaaag cctcaaagaa agacaagaag ttgccaagga gcaagactta aatgtttagg	60
aatcttcagc aaagcatcat ctctaaaact tataaagatc ataattacaa ctttttttaa	120
gtccaaaagc attaacatag atagtcaaag ggctcaatga aggagtttcc tcttctatct	180
accctacaga agttttcggg tggggataag agcccggtaa ggcaatgctg ctgattaatc	240
gcatgggcct gggtacctcc tccagctttg taagggcaca cctctacgga gtcaagctgc	300
acagctctcc ctgtcctatg aaggcagggc tttgagtctg caccacagga aggaaaagga	360
caccacggaa caggctgtct acgctgcggg ctgctatgca atcattccat ggagtcacct	420
tcttttcatt cataactcac ccaagagtaa agcacagaag ggcccacaaa gttagggcct	480
gcagacat	488

<210> 1890

<211> 554

<212> DNA

<213> homo sapiens

<400> 1890

aaataaataa taaaactcaa acgttacaga tcccagtggg ggctttggat ctggccttgc	60
ttccacaaac agaacacgcc ctaacaggcc ttaatgcttt atcaggtcaa cttgcaaaac	120
taaaaaacia accaccccaa tttcccatgt cctggactct gaaatccttg aggaactgct	180
ctatccgatg tcagcctcag ggctgctagg agtgacattt gaaatccaca cttactacca	240

gcagtcctgg gagggcatct gctgatctca ctgtagcatc tttctgtctt gccgagcaat	300
ttccctcaga atgctttcac aaggggaagtc tctagtggca tcaaaccaca aagctctggg	360
tgcagcgaca ttcttgtggg cccttgccgt gatgacaaac tctgagattt cctgtggggc	420
tcagcatggc cagggaaatg acattgttgg agttattgct catcggcctg aggttctttt	480
ttccaggagt cagactgagg ggctggtgtt tcattctcat cctcttacca aggaaagagg	540
ctccagtccc taga	554

<210> 1891

<211> 214

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (187)..(201)

<223> n=unknown

<400> 1891	
atgcttcttc agccctcagt gagttcttgg cctcttgcca aacatcccca ttgtgggcag	60
ttggtaccct ctgaccattt tacagatctg ccagtgagcg aacacgagaa ttagtgaggc	120
tttgggtttt taatttggaa gtcatggtag agacagcgaa aatatggcca ttgccttcag	180
ttttttngan taatannaga ncttgaagtt ggtg	214

<210> 1892

<211> 340

<212> DNA

<213> homo sapiens

<400> 1892	
gatccgggaa acccaggcca gactagagga atcctttgag actctcaagg aacattatca	60
gagggactat tccttaataa tgcagacctt acaggaggag cgatatagat gtgaacgatt	120
ggaagaacag ctaaatagacc taacagagct ccaccagaat gaaatcttga acttgaagca	180

ggaactggca agcatggaag aaaaaatcgc gtatcagtcc tatgaacggg cccgggacat 240  
ccaggaggcc ctggaggcat gccagacgcg catctccaag atggagctgc agcagcagcc 300  
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<210> 1893

<211> 334

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (105)..(105)

<223> n=unknown

<220>

<221> misc\_feature

<222> (324)..(324)

<223> n=unknown

<400> 1893

atcctattag aaaccataag gaagcactga gagtttgagt attacattct tcaagtatgc 60  
tggtcggatt ttttattttt aggttggtta ctatacacat ataanaaaac cttaaaagtg 120  
cggccaaggg attttgctta aaattaagta tttagagggc tacttaaaaa tactgtagta 180  
ggactgtgca gtgatccttt gggggatgat gctttcactt ttgtatcctc gtcaagggtta 240  
aggggcaggt tcaaaagtga tcatacttcc aggattagcg taagtggcca acttgggtga 300  
gaaagccaga gagatccatg tgtncttcca cgga 334

<210> 1894

<211> 482

<212> DNA

<213> homo sapiens

<400> 1894  
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tttttgtttg aatcagtatc cgtatagggc tcatagattt tattgatgtc gcttataact 120  
gtgtctatag ttcttcttcc gttatttccc catgtcgccc caccctttcc ttatttagtt 180  
tatgaggaaa ttggatcatt ggtcctgtag gattttcctc tagttggatt ttgctgattt 240  
tcacctccct ggtgggtattt aacattattt gttaaattga tggttacatt tagaggctcc 300  
atcagattca gatgtttaag attttaaatt aaaacatttt ttatttttgg caagtatact 360  
ttatatttag tactgtgtat ctccattagg aggcacctaa tttttggtgg tctccctgct 420  
gtgttttgag ggctcaggtg acaaattgaa gcgattccag atggatcagt gttgaggtat 480  
ag 482

<210> 1895

<211> 470

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (116)..(253)

<223> n=unknown

<220>

<221> misc\_feature

<222> (401)..(434)

<223> n=unknown

<400> 1895  
gtcggggtttg cgctattaac atatgtacag tccagcccag caaaaggagc ccaccccgcc 60  
atcctggcct ggctgagccg gggagtgaca ccagggtgga agggtgaccc tcaggntctg 120  
gcaggaacag atgangcagg gttccangca cggngtcccc agnactngng gtncagancc 180  
cccccaggng gagnacatgg cactncncc aganaccct aaactgggga nnggtacang 240  
caggngntaa ggngaagtcc ccattaacac aaagcgagag gactgtgtag cccccagga 300

cagaatctgt acaggccggc accccaggtt tccacaggaa acagctgctg gctgctacaa 360  
aacatttaca gcttcttctc cgcaaagaaa aacaatcagg nggtggtgng caggnncgac 420  
aggagaggca nannctgcct ccagggactg aggctccctc gctgggcttg 470

<210> 1896

<211> 304

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (210)..(242)

<223> n=unknown

<400> 1896

ataatttcta tttataatag aattcttttc ccacttcttg ctactgcatt tcactagtct 60  
aaaaaataaa aacattataa gaaatgtaga ctcagactta tttataatgc aacagaatag 120  
atgatggtgc ctgcaattgt ggaccatccc aaatgttctc ctacttctcc ccctttctgg 180  
ttcatttagg aaattattca attcctggtn atcattgtgg gctgctaaac ttggtttact 240  
cnctccctc accaaagga agacagttag ttgaccctgg ctgctgcagt tcacattctg 300  
ctag 304

<210> 1897

<211> 579

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (226)..(226)

<223> n=unknown

<220>

<221> misc\_feature

<222> (356)..(543)

<223> n=unknown

<400> 1897

```
tgtctgcagg aggaaattag ataggagctc tggctgacct ttaggctggg gggcggggaa      60
tcaacatcgt ggcacacctg aaaagcattt gatggcacac caattgggaa gttctgaatt      120
agaaagcctg tggtccgctt aaaagagccg aagctattca attctttctg agcattgcta      180
tatgacaatg caagcccagg gttgctaaat cttacatttt tcatgngaag atagaagatt      240
gttatgtaaa aaacactggc agataatttc tttcagaatt ccgtgacagg ctaacccaaaa      300
cccatatgtt gaccagatct gtcccacagt ccaccagctt acaagttctg atttanatgc      360
aaaaatgaaa tcgtacaagt gccagcaaag aacacatgac attattttcn caatcttgga      420
ggaggaaaga cttttctaag cacaatcaag ccagaacca taaaggacaa gacatttaac      480
tgcattanna tgtaaaacgt atgtgtaaac ccaanattat gnataaacct aaaggcnaat      540
ganaacagct ttcccccagg ctctagcaga atgtgaact      579
```

<210> 1898

<211> 443

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (143)..(143)

<223> n=unknown

<220>

<221> misc\_feature

<222> (423)..(423)

<223> n=unknown

<400> 1898  
gtacctggct tctgagtggg tatctaagaa gaagaaaaga atctacagta taatgagagt 60  
taaccatggt ttgtccaaaa tgattttgaa tcaccgttcg gacagatcct gaagactagt 120  
ggaaacttca aatggcagta tcnaacttct gttccttttg gggttgttga gtatatgaag 180  
aatattatct ttctgtgtct gacagtcggg agctttgaca tgattatagt gaagtataat 240  
ttagatgtta gttttaacta taatagactg taactccttg tattttgggt gctgtagaaa 300  
ttacctttcc ctttgcatgt acgtgacagt taagatctga agaactctga ttaatgggtc 360  
ttggatttat gtttaaagaa atcaaggatg ggcattttct catctccgtc tttgggcatt 420  
tgnaacaata tacaggttga gta 443

<210> 1899

<211> 123

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (8)..(119)

<223> n=unknown

<400> 1899  
tataacanta agccccatan gnnanggtnc ctnatncatt caaggancnc aaaacaactc 60  
taggagatcg cctgtgttcc ctcccatcca gntcaccgc ctgcntactc tcctcangnc 120  
cct 123

<210> 1900

<211> 396

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (300)..(375)

<223> n=unknown

<400> 1900

```
tgaccaccag gacctggtgt ctgtgcacat ctacatcacc cagctggctg agaagttcga      60
cctcaggacc actatgctgt acatctgtga gcggcacttc cagaaggttc tgaaccggag      120
tctattcaca ggctgcgct ccatcaccca ctttggcgt ccccccttg agcccttctt      180
caactccctg caggagggtcc acccccaggt ccggaagatc ggggtgttta gctgtggccc      240
ccctggcatg accaagaatg tggaaaaggc ctgtcagctc atcaacaggc aagaccgggn      300
ntcattctcc caccattatg agaacttcta gggnccttcc cggggggtct gnccactgtc      360
cagttgagca gaggnnttgag cccaaactca cctctg      396
```

<210> 1901

<211> 475

<212> DNA

<213> homo sapiens

<400> 1901

```
gagaagaggg ctgaggagca ttgcatacat aggtattggg ccagggtctg atgaaagaac      60
gtgcttaaaa ccttgggtga aattagttgt ggtgttagac tggggtgccg agtgggtttc      120
tgtaaattggc ttgccatggg tccagcctct acctcctgca aggcatttgc cagcccgctc      180
gacagtgggg agcccagaag aggaggaggt atgggagtag ggagggttct aagatgccag      240
catccatgct cccactgcat ccttacactc aacgccccaa cacacatata gacatgcaca      300
cacatagtac ttgtcaggtc agcttgtctt ctgagatttg tttctgaagt ctggaagcag      360
aggtttctact ttgccccaaa ccagtagctc ccctacttct cactctagtc cctagacact      420
gccccccac catttctcca ggctgagaca catcctggtc ctgggggtcc ctgag      475
```

<210> 1902

<211> 310

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (297)..(297)

<223> n=unknown

<400> 1902

```
ctacaccggt cctgtcaatg ttccgtacag gccacattc ccaccactaa gccaatggag      60
tcaaccagat ttctaaagcc atggatatac gtggtcacgg ggccacattt ctgcagctgg      120
ctcagtggca ggcttggggc gtctctcagt accatctaag acttctgtct aggttcctgt      180
ttttttagac tctgaactg ccattctgat tagacacaat tttaatggaa tttttggatt      240
taataatagt tgataatcac cttatgtatt tgcacaatct ctttataatt aaaaacncgc      300
taaagcttca                                     310
```

<210> 1903

<211> 466

<212> DNA

<213> homo sapiens

<400> 1903

```
ttgtaaccac aaaagcactg taatcatcat ttcttgaaa agttataagc atatttgaaa      60
cttgaaactt ctaaaatcct ggtagagaa gaaaactaaa ttctacattt agtggaatta      120
agcttctacc taatagcttt tataccaact ttccaaaagt aggagtggta ccaggtttcc      180
atgtaaacc aagaaagcag tttatccatc cacacagccc aacccttgct ccaatgagca      240
tattactggg tccaaagtat acagctttca tatctgtcag tcagtgtgca agtggttaacc      300
acttcatgtg actgagttca atggttatagt gcatgttgca gtctaaacat tttctaaagt      360
gtctgtaagt acacaaatta gcaacatagt atcagcggtta cagagaattc cttcacataa      420
tatagaacag gcctagaatt taaagtgaaa ctacaatctg tttcag                        466
```

<210> 1904

<211> 221

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (25)..(221)

<223> n=unknown

<400> 1904

aagacagagt tgagtccac agcangggng agcaagaacg nacangatat gcaagtggat	60
gagacactga tccccaggna agttccaagt ttatgttctg ctgctatgg aatagccctc	120
gtnttacatt tctgcaattt cacaacgtta gcacaaantg tcatcatgan catcaccatg	180
gtagccatgg tcaacagcac aagccctcaa tnccagntca n	221

<210> 1905

<211> 327

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (302)..(302)

<223> n=unknown

<400> 1905

gccatctatt tcaagggaaa ctggaaggat aaattcatga aagaagccac gacgaatgca	60
ccattcagat tgaataagaa agacagaaaa actgtgaaaa tgatgtatca gaagaaaaaa	120
tttgcatatg gctacatcga ggaccttaag tgccgtgtgc tggaactgcc ttaccaaggc	180
gaggagctca gcatgggcat cctgctgccg gatgacattg aggacgagtc cacgggcctg	240
aagaagattg aggaacagtt gactttggaa aagttgcatg agtggactaa acctgagaat	300
cncgatttca ttgaagttaa tgtcagc	327

<210> 1906

<211> 501

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (305)..(487)

<223> n=unknown

<400> 1906

```
catattggct ctattaaaaa ctcaggtaat aaagcactaa gcttgatttt tgtattgcta      60
cagtctcttt cttctaaggg gaagaaaatc tccccaagaa taggatgcta cctgaggaat      120
tatgccgaat aaagaaaagg aatggatggg cggcagtga attttcttcg ggcataca      180
tgcagaaagt tgcgatgcct gctgtggcag ctgccgcctc tgttccctct tcattcactt      240
ccacaaatga cttgtggaca atttttgata taaaaatata tctggctcct gacatgccag      300
acagntcagc cttgtacttg ttaaagagat cctgcacacc taggcgggag aggtcggagt      360
tgagagtgtg actctcttcc agtttgaacc tgggcnagct gncattaact tcaatgnaat      420
cgagattctc aggttagtcc actcatgcaa ctttttccaa agtcaactgt tcctcaatct      480
tcttcangcc cgtggactcg t                                     501
```

<210> 1907

<211> 472

<212> DNA

<213> homo sapiens

<400> 1907

```
aaaatattag aaaggcacag taagtgcac caagattaat aagacaaata ggtatggcag      60
aaacagagag gtatatgagc tgcatagga tctctgttga taagaatctg tgtagacttt      120
tttctccttc cttcctttga tctttgatca tgggaagaca tggaaaaaga aagctaacta      180
cagtgatttt gtccactaca ctgttatttg gttaaaaatt ttagtttctt aatgagtatt      240
agcatgtatg agaaattatg ggagaaaaag gcgcatacta gaaaagggtg gcttaattac      300
tattggggat tggttaacat agcatgggag ctggattgtc agagattcat tatctagaaa      360
```

atggcaacaa gagtttataa aacgaacttc tgtgagatta ctttttagct agcaaagaca 420  
aagatgtcct tcagtaggtg aagtgataaa ctatgataca tccagatgat gg 472

<210> 1908

<211> 483

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(4)

<223> n=unknown

<220>

<221> misc\_feature

<222> (444)..(444)

<223> n=unknown

<400> 1908  
ananaatagc catcagaaat gtttcctttt gtgttaaaaa aggtgaagtt ttgggattac 60  
taggacacaa tggagctggg aaaagtactt ccattaaaat gataactggg tgcacaaagc 120  
caactgcagg agtggtgggtg ttacaaggca gcagagcatc agtaaggcaa cagcatgaca 180  
acagcctcaa gttcttgggg tactgccttc aggagaactc actgtggccc aagcttacia 240  
tgaaagagca cttggagttg tatgcagctg tgaaaggact gggcaaagaa gatgctgctc 300  
tcagtatttc acgattgggtg gaagctctta agctccagga acaacttaag gctcctgtgg 360  
aaaactctat cagaggggat aaagagaaag ctgtgctttg tgctgagcat cctggggaac 420  
ccatcagtgg tgcttctaga tganccgttc accgggggatg gaaccccaag gggcagcagc 480  
aaa 483

<210> 1909

<211> 427

<212> DNA

<213> homo sapiens

<400> 1909

```
gaaaatgaca ggaagtggca tctatgcacc caattcttca agagcatttc attatgatat      60
gaagacagaa gagggaaaac tcctcctctc gcaactggat tcccacccat cccattctgc      120
agtgggtgaac tggacttctt atgccagcag tatagaagcg ctctcatcag gaaacaagga      180
atttaaaggc actgtctttt tcgatgaatt cacttttgtg aagctcacag gagttgcagg      240
aaattataca gtttgtcaga aagatctctg ctgtcattta agctacaaaa tgtctgagaa      300
cataccaaat gaagtgtacg ctctaggggc atttgacgga ctgcacactg tggaagggcg      360
ctattatcta cagatttgta ccctgttgaa tgtaaacgac taatttaaac attgcggtgc      420
tcagctg                                           427
```

<210> 1910

<211> 432

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (94)..(426)

<223> n=unknown

<400> 1910

```
acacatcaat atgttttctg ttttacattg aaattatatg agaatacaga gaattgctct      60
gaggattcct gtttctaaat acattatggg cttncttatt nnctattang tcttgaaaaa      120
aagcnaatgt cagntaatgt cacccaaaag aacaagggat tntacncaa tatttcttgg      180
atgatatagt acttttttagg acaaacatct gccacnaaaa tgtttgntct aaaatgatgt      240
tttgctngca tagntcacta ctgcnagtgc cttgctctcc tgtgcagaag ggcangcttt      300
gcacagtgca tggctgttat cggnactatg taattgtcca tcatcacagc actatgntat      360
tagtgctcag agtctatcag tcagttggga ganattttgg cttaaangat gntgttttca      420
ctgagntgtg ta                                           432
```

<210> 1911  
 <211> 417  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (350)..(372)  
 <223> n=unknown

<400> 1911  
 caggctcgaa aggtccatgc tcctttctcc tgcccattct atagcataag aagacagtct 60  
 ctgagtgata atcttctctt caagaagaag aaaactagga aggagtaagc acaaagatct 120  
 cttcacattc tccgggactg cggtagcaaa tatcagcaca gcacttcttg aaaaaggatg 180  
 tagattttaa tctgaacttt gaaccatcac tgaggtggcc cgccggtttc tgagccttct 240  
 gccctgctgg gacacggtct gcacctgccc cgcgccacg gaccatgacc atgacctctc 300  
 acaccaaagc atctgggatg gccctactgc atcagatcca aggggaacgan ctggagcccc 360  
 tgaaccgtcc gnagctcaag atccccctgg agcgccctt gggcgaggtg tacctgg 417

<210> 1912  
 <211> 520  
 <212> DNA  
 <213> homo sapiens

<400> 1912  
 aacacagggt acaaattatt tggtctgact tctagttttt gtcttatttc aggcagctct 60  
 gtccagtgga gtgacctggt gccagagtgc agagcaccac cacaattga caatggaata 120  
 attcaagggg aacgtgacca ttatggatat agacagtctg taacgtatgc atgtaataaa 180  
 ggattcacca tgattggaga gcactctatt tattgtactg tgaataatga tgaaggagag 240  
 tggagtggcc caccacctga atgcagagga aaatctctaa cttccaaggc cccaccaaca 300  
 gttcagaaac ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa 360  
 accaccacaa aaaccaccac accaaatgct caagcaacac ggagtacacc tgtttccagg 420

acaaccaagc attttcatga aacaacccca aataaaggaa gtggaaccac ttcagggtact 480  
 acccgtcttc tatctgggtc tcgtcctgtc acccaggctg 520

<210> 1913

<211> 60

<212> DNA

<213> homo sapiens

<400> 1913  
 atagaagacg ggtagtacct gaagtgggtc cacttccttt atttgggggtt gtttcatgaa 60

<210> 1914

<211> 525

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (155)..(174)

<223> n=unknown

<220>

<221> misc\_feature

<222> (498)..(498)

<223> n=unknown

<400> 1914  
 gaagaagagg tgcaagatac aaggcttttag agagcagcat aaatgttgac atgggacatt 60  
 tgctcatgga attggagctc gtgggacagt cacctcatgg aattggagct cgtggaacag 120  
 ttacctctgc ctcagaaaac aaggatgaat taagnnnnnn nnnnnnnnnn nnnntttggt 180  
 aaggggaatt gaggacactg atatgggtct tgataaatgg cttcctggca atagtcaaatt 240  
 tgtgtgaaag gtacttcaaa tccttgaaga tttaccactt gtgttttgca agccagattt 300  
 tcctgaaaac ccttgccatg tgctagtaat tggaaaggca gctctaaatg tcaatcagcc 360

tagttgatca gcttattgtc tagtgaaact cgttaatttg tagtggttga gaagaactga	420
aatcatactt cttaggggta tgattaagta atgataactg gaaacttcag cggtttatat	480
aagcttgat tccttttct ctcctctccc catgatgtt agaaa	525

<210> 1915

<211> 620

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (583) .. (592)

<223> n=unknown

<400> 1915

cttacagtaa taaatataat gcagtcttct taagagtcag tttggagttg agaaggcagt	60
gtacccttga tggaaacagt cagactgggtg gtaccatctt cttcagaact gcactaaga	120
ggctgtgctg gctgggaatc atacagctgt gggcaacaac tgcacagcc ccaaggcttc	180
cctccagacc aaaagggtgat tcatggcccc tggttaatat caccctaggt tctccccgt	240
cccagtttta acataatatt tcatagaaat actagtgcc aaaaaagtca atatttcaaa	300
tataaaaatt attttataca aatgtaattc ataatcattc ttttaaaata cagcattggt	360
atatatgttt gaaacattat taaaataaat atttcctaga gaaaaaattt tgcttcacaa	420
aattataaaa cagaagcata taaaactaat tcatgattgg tgcttcttca gtgtgtctct	480
cattctctct tagtgtagac agcatgaagt acatacatct aagcctgaaa acataccacc	540
atcaacctat acatctaaat gcttggactt catgtgggtc tanccacagt gnccatggcc	600
tatctactta cacacctct	620

<210> 1916

<211> 498

<212> DNA

<213> homo sapiens



<400> 1916  
aaccctgca atagctgggt ttacagacat ttaccacctg cggacccaaa agagaaggcc 60  
taggagagtt ttctagaagg ttgggattgt cagggctctg gcccctcaga actggcttga 120  
tcaagggcct tatgtggagc agaggttgtc tctgaaccag gagagaaggc actatacctt 180  
tcaaatcccc agggcagaca cccccccacc cagcccctat ttggacctaa actgtgccat 240  
ttgaacagtc acttccaagc tcagtctaaa tgaaaccgaa acgtgaccac gcacaaaggc 300  
agtcactgcc tcgaggggtg cagaccgcag aattttcaca gcaggggctc ttggaaccct 360  
ggaaaccccc ttcttaaatt tgggaggagg agtatgcctt tgggtgtcccc ctcccaaggg 420  
gcaattctga accccatctt tggcaggcat acatatttca ctgttttcca agctatctac 480  
tctgccccaa caacaccc 498

<210> 1917

<211> 537

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (234)..(234)

<223> n=unknown

<220>

<221> misc\_feature

<222> (338)..(537)

<223> n=unknown

<400> 1917  
attattacac aggtactcgc agagctatgc tctgcacaca gagccagggc tggctgggcg 60  
agagggctct gattggagac aggtgccttg gggagagttg aggaacgact tccttccagg 120  
cggggcctgg ggaacttggtc tgctgtgtc tttggtctag aatttggtct gagaatctta 180  
taagaagagg ccttcctcag gccatgtcca gaatgttgca atttgcttac caanccaaaa 240

tactgtggcc	tttcacccag	ggagcccccg	ctggggagat	ggaaactgaa	atgaccacaa	300
atgccacaggt	agccactgcg	tgccaagtcc	cctcttcngc	acgtgcnacc	tgccctcaat	360
cattgacagt	ggntagttta	ctaaagttat	ataagacaaa	ggaaaacagg	tcacaatgct	420
actncataaaa	atcnggggaca	aaacagtnna	atcaaatacag	acacaaaacgg	caaccataaaa	480
tacatagaac	aacaggaaca	agatagaatc	gttgagagtt	tggaatnggc	tgggtgn	537

<210> 1918

<211> 516

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (468)..(468)

<223> n=unknown

<400> 1918

tccggctgta	tatccatgag	cgccgctggc	agccggggag	ctgcaggaac	cagactgggg	60
gcgagctgag	cacctgtagt	caatcacacg	cagcttttag	gtttgtttga	ataagagatc	120
tgacctgacc	ggcccaactg	tacaactctt	caaggaaaat	tcgtatttgc	agtgggaaga	180
ataagtaaca	ttgatcaaga	tgaatgccat	gctgggagact	cccgaactcc	cagccgtggt	240
tgatggagtg	aagctggctg	cagtggctgc	tgtgctgtac	gtgatcgtec	gggtgtttgaa	300
cctgaagagc	cccacagccc	cacctgacct	ctacttccag	gactcggggc	tctcacgctt	360
tctgctcaag	tcctgtcctc	ttctgaccaa	agaatacatt	ccaccgttga	tctgggggaa	420
aagtggacac	atccagacag	ccttgatatg	gaagatggga	agggtgangt	cgccacatcc	480
ttatgggcac	cggaagttca	tcactaatgt	ctgatg			516

<210> 1919

<211> 422

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (280)..(308)

<223> n=unknown

<400> 1919

```
tacttggctt aaaagcaacc agatgctgaa actggacaga gggcaagaac tctgtcactt      60
gtcaccatgc ctaacaatgc aatggagaaa accagtaact aagcacaaaa atagcctgga      120
gctcccagga agagctgcct actccgagac aggtgtgcat ggtgggtgcc cctgctgat      180
ggtgtgaggt cagatccagg tcaactgaggg agatgggaga cctgaaacag ggggtgaggg      240
gacgcagctt ccagaggagg gctgctggag cgtgccagan tccggaggcc tcaactccagg      300
tcggcctnca cctgctccgt gtcagagcac tgcaacttgt tacgctccca ttggcaaatg      360
gcgttggcgt actccaacaa cagcttatcc atccatgtca ggggctcggg gaacagcaca      420
ga                                                                           422
```

<210> 1920

<211> 399

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n=unknown

<220>

<221> misc\_feature

<222> (375)..(375)

<223> n=unknown

<400> 1920

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cnggcctcca gggccgcacc ctcatgacag ccttactgta cccggtctag gtagactcct      60
```

acgggaaatg cctgcagaat cgggagctgc ctaccgcgcg gctacaggac acagccacgg	120
ccaccaccga ggatccagag ctcttggctt tcttgtcccg ctataagttc cacttggccc	180
tggaaaatgc catctgtaac gactacatga cagaaaaact gtggcgtccc atgcacctgg	240
gcgctgtgcc cgtgtaccgg gttctccctc tgtgaggac tggatgccga acaatcatcc	300
gtcatcctga ttgatgattt tgagtctcct cagaagctgg cagagtttat tgactttctg	360
gacaagaatg atgangagta tatgaaatac ctggcatac	399

<210> 1921

<211> 309

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (265) .. (265)

<223> n=unknown

<400> 1921

tgaaggtctg tcttccctct tggtcttttc aaatgttttg cttctccacc aacgtaacaa	60
tttataaagc aagagatgag aaaaagagat tattgggaaa tgtactgaat aatgaggagt	120
ctggggaata gaacaaaagt tgtaagtcgt aacctgacct atcttacttc actggtaatc	180
aagtacagtc gaaaggatga aataaagaag tgagtagttt aaaaactctg ttggaccagc	240
accttgaatc aaatggatgt tttangggtc tgttccact gaccagatt ggatccctcc	300
atctctcct	309

<210> 1922

<211> 544

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (90) .. (90)

<223> n=unknown

<220>

<221> misc\_feature

<222> (542) .. (542)

<223> n=unknown

<400> 1922

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cttggttgtc agcagcagca ggaggaggca gagcacagca tcgtcgggac cagactcgtc      60
tcaggccagt tgcagccttc tcagccaaan gccgaccaag gaaaactcac taccatgaga      120
attgcagtga tttgcttttg cctcctaggc atcacctgtg ccataccagt taaacaggct      180
gattctggaa gttctgagga aaagcagctt tacaacaaat acccagatgc tgtggccaca      240
tggctaaacc ctgacccatc tcagaagcag aatctcctag cccacagac ccttccaagt      300
aagtccaacg aaagccatga ccacatggat gatatggatg atgaagatga tgacgaccat      360
gtggacagcc aggactccat tgactcgaac gactctgatg atgtagatga catgatgatt      420
ctcaccagtc tgatgagtct caccattctg atgaatctga tgaactggtc actgattttc      480
ccacggacct gccagcaacc gagttttcac tccagttgtc cccacagtag acacatatga      540
tngg                                          544
```

<210> 1923

<211> 391

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7) .. (391)

<223> n=unknown

<400> 1923

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aaagatnadc acaacaaaat atacactaac ttaaanaaca aaagattata gtgacataaa      60
```

atgttatatn ctctttttaa gtgggtaaaa gtattttgtn tgcgtctaca taaatttcta	120
ttcatgngag aataacaaat attaaantac agtgatagtn tgcanttctt ctatagnatg	180
aacatngaca tnnccctgna gcttttagtt tacagggagn ttccatgnng ccacnnactn	240
aactaattat ccaacacntc ngttatntcc ngntcaaat ngntncacnt tccaccnatn	300
aactgagnaa gnagcanttc angntctcct tcattttgct anaaagcntt ttttcttttg	360
ncnaaatgcc aagtngngaaa ttgtnttttt n	391

<210> 1924

<211> 355

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (181)..(250)

<223> n=unknown

<400> 1924

atagactgtg agttctgtgg tgacagaaac caagtgtaac ctgtttacca tttgattccc	60
agcacctggc atagtgcctg aaatgtactg ttcgggggtc ttgtctggat tttggttgcc	120
tcctccaatg ttctctacc tcaactacaa ggatgggtca tgtttggtgc cgtgacagcg	180
ntttctttt cgtctctctt tctgggcatg ttctctctg gcattggtggc tcaaattgat	240
gctaactggn acttcttgga ttttgcttac cattttacag tatttgctt ctattttgga	300
gcctttttat tggaagcagc agccacatcc ctgcatggat ttgcattgca aatac	355

<210> 1925

<211> 561

<212> DNA

<213> homo sapiens

<400> 1925

acattccatc catgaaataa accagaactt gagcttagag tctctctcta ctaaacacat	60
tacttttgga atgtttttgc atctggacaa aatggatatcc aaattgatca gacatataaa	120

gtagacaagt gaaactaaca tacgactgcc agtttctaag gagtgttacg gtcgccatct	180
tcgtaaagcc agacccaaac tgcaaccata acaagctgtc gtcataaagg caaaaattga	240
ggctgctacg tttatgttat actggttatc actcaggagt ggctgcccgg ttatggttgt	300
attgcaatgc aaatcatgca gggatgtggc tgctgcttcc aataaaaagg ctccaaaata	360
gaagacaaat actgtaaaat ggtaggcaaa atccaggaag ttccagttag catcaatttg	420
agccaccatg ccagagagga acatgcccg aaagaggagc gaaaagaaaa acgtgtcac	480
ggacacaaac atgacccatc cttgtagtag aggtagagga acattggagg agggcaacca	540
aaattccaga caagaccccc g	561

<210> 1926

<211> 316

<212> DNA

<213> homo sapiens

<400> 1926

gctgttgcta cttgccagct tttctttttg ctttttgctg atagatggca ctttttttgc	60
tggcactgtt atcaacttta ttaatagatt taaaagtact gacaattttt caagccacaa	120
aaggtttaaa aatcttttga acttcttgct atacttctgg ttttctgctt tcttgaggcc	180
gttgctccat agagtactgt caatacagtg ttgagaagtg aatgggagtt aaactagctc	240
cctaatatgc catcagtggc ttccagtcca tttccttgag gggctctaac ttgggctttg	300
ggagatactt agagat	316

<210> 1927

<211> 373

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (54) .. (353)

<223> n=unknown

<400> 1927  
aggaattttt gtagctcatt catgaactat taatattgtc cagagccacg gaangtctga 60  
cactggcntg gaactctctg agaaacaggn tgaaancaaag cttangaaga taantcttcg 120  
ttgagggctn tcngtcttga accaacgttt ctctttcgca ttttctctgg agttagctaa 180  
aatccgtaag gctanaaagt acaactcaaa tccctgngca aatttcacta ctcacctgta 240  
taaattctna agtaatctcc ccaaagccca agattanacc cntcaaggaa atggactgga 300  
agccactgat ggcattctan ggagctagtt taactcccat tcacttctca acnctgtatt 360  
gacagtactc tat 373

<210> 1928

<211> 381

<212> DNA

<213> homo sapiens

<400> 1928  
tttgttttta atctagtttc taggctaact aaatcctttg tcttcaacac aacaatcctt 60  
tcaacacatg tatctcttac ttgttctagc catcttggtg ccagttatca ctgccacaga 120  
aaaaggaacc caagcaagat taaaacttaa tttattttgt aagcactaat aatgagtaag 180  
ggaaaataag gaaatttcaa gcaagttaaa agaaggcaaa ttttagttca atgtatttga 240  
ggacagtata tgaaaaatgt gttataatga agtacctcta ttattgctat agcacaaagt 300  
ctgtggagat catgaaaatt aagggttaga aaggtaggtt aggtgcataa accaggtgct 360  
aaagaaacaa cttttttttt t 381

<210> 1929

<211> 467

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (247) .. (449)

<223> n=unknown



<400> 1929  
cacaagccaa actttgtctt actccttaac cttgttaaatt tctagtaagt agaattcttat 60  
aatccccagt atataaaggt tctagttttt acattgaaat atatttttaga acacatttga 120  
attggctcatg tatgttattt tacaagaagc cattattacc ttactatggt ttatcacctt 180  
ccaagaaaaa aaaaagttgt ttcttttagca cctgtttatg cacctaacct acctttctaa 240  
cccttanttt tcatgagtct ccacagactt tgtgctatag caataataga ggtacttcat 300  
tatnacacat ttttcatata ctgtcctcaa atacattgaa ctaaaatttg ccttctttta 360  
acttgcttga aattgcctta ttttccctta ctcattnatta gtggcttacn aaataaatta 420  
agttcaatct tgcttgggtt cctttttcng tggcagtgat aactggt 467

<210> 1930

<211> 322

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(63)

<223> n=unknown

<220>

<221> misc\_feature

<222> (236)..(236)

<223> n=unknown

<400> 1930  
agagaantca gcctggcaga gagactctga aatgagggat tagaggtggt caaggagcaa 60  
gancttcagc ctgaagacaa gggagcagtc cctgaagacg cttctactga gaggtctgcc 120  
atggcctctc ttggcctcca acttggtgggc tacatcctag gccttctggg gcttttgggc 180  
aacttggttg ccatgctgct cccagctgg aaaacaagtt cttatgtcgg tgccancatt 240  
gtgacagcag ttggcttctc caagggcctc tggatggaat gtgccacaca cagcacaggc 300

atcacccagt gtgacatcta ta

322

<210> 1931

<211> 333

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (31)..(327)

<223> n=unknown

<400> 1931

gacgcgacgg gacgcgctgg gaccggcgtc nggggtcgcg gggaccatgc agcggagggtg 60  
ggctcttcgtg ctgcacgacg tgctgtgctt actggtcgcc tccctgnnct tcgtatcct 120  
gacnctgggtg aacgccccgt acaagcgang attttactgc nnggatgact ccatccggta 180  
cccctaccgt ccagatacca tcacccacgg gctcatggct ggggtcacca tcacggccac 240  
cgtcatcctt gtctnngccg gggaagccta nctngtgtac acagancggc tctattctcg 300  
tcggacttca acaactacgt tgntgcngta tac 333

<210> 1932

<211> 75

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(72)

<223> n=unknown

<400> 1932

acatntnaca anacancaac tatntgatgt ntcggtnnct tccttaaccc cataaaaaga 60

aggggatatt tnggg

75

<210> 1933

<211> 394

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (363)..(363)

<223> n=unknown

<400> 1933

gttcctaaag ccacctctca gcagaatcgt catgtttttc tgatgcaccg ctctgcttca	60
tgcccaagat gacttgcgag gcaatctcag gagctgtgga cttaaccatt gcaaagcaca	120
ctgtctttct cagcgttctc tgcaagtcag taggtgtag tatgggtgca aagttcactg	180
tctcagcaaa gttgaactgg gctacctctc tacagctgtt tctcagagg gaaaaatctt	240
gagaccagat ggtggagctc tggagtcaga ggaaatgggt gtcttcagca caaagctgct	300
gcttttactt cagccacttc tgacattttt acataccgag cctgagattg tgtgattatc	360
tcnaatcaaa tcactttgat ggagataaat aatc	394

<210> 1934

<211> 433

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (303)..(403)

<223> n=unknown

<400> 1934

ttactaaaag ctcagttgta accactccta acaccactag cagaacctca agggagccaa	60
---	----

gagctcttcc cttttccct gttaatttcc agtataatgt agcagcacia ttatttcatg	120
tcacatttaa gaagaacaag aaccaattta tataaagtac aattgtatat ccttaaacad	180
tccacataaa cacactgtca aaactcactg gatatgctgg aattggagga cttaaatttc	240
tacatattat ttattgcacc cagagtactg gttaaaatgc actttctgtg aagatcaa	300
gcataacgt atgagggat ttttaacact gtgaagtaca cacntaatat tataaaatgc	360
catttaattg gaaggagttt ctatcattgc aagtcataaa tgnaactttt taaagatact	420
agcagctttt acc	433

<210> 1935

<211> 520

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (379) .. (379)

<223> n=unknown

<400> 1935

gaaagagata actggaagtt ccttgattca gaaaacagat tcagatgaag aagttgcaat	60
gctgttggac acagtccaga aagtatttca gaaaatgttg gaatgtattg cacggagctt	120
caggaagcag ccggaagaag gcctgcggt gctttattct gtccagaggc ctcttcatga	180
gttcattact gctgttcagt ctcggcacac agacaccct gtgcaccggg gtgtactttc	240
tactctgac gctgggcctg tggttgagat aagtcaccag ctacggaagg tttctgacgt	300
agaagagctt acccctccag agcatcttcc tgatcttcca ccattttcaa ggtgtttaat	360
aggaataata ataaagtent cgaatgtggt caggtcattt ttggatgaat taaaggcatg	420
tgtgggcttc taatgatatt gaaggcattg tgtgcctcac ggctgctgtg catattatcc	480
tggttattaa tgcagggtaa acataaaagc tccaaagtga	520

<210> 1936

<211> 558

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (507)..(554)

<223> n=unknown

<400> 1936

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attacatata taaaagtcac tttaaaaaca accaggtttg ctagaaaagt gttttttctt    60
ggaatcatgg atttctacac catttatacc tggagtcctt tatattaaat atattattta    120
cgcaggcact aggcaaaatt gaagaagttt tgagttatct cctccataac cccaccttc    180
ccacattccc acaaaaaaat cccacccttt ccctattata tgggttatta acattaaaaa    240
caataggaaa atacaggcat ttcaatttga atcacttttc cctattttta catgtctgga    300
gatgttggct tggttatgaa ttcaaaagtt ctcccagagt tcttgatgat gattcataga    360
gaaatctttc aatgctatcc tcttccaaag taatttccat gaatgtcttt agttttctgt    420
gaacagtggc tgcaacctcc ctcaactttg agcttttatg ttacctgca ttaataacca    480
ggataatatg cacagcagcc gtgaggnaac acaaatgcct tcaatatcat tagaaggcca    540
cacatgcctt taantcat                                           558
```

<210> 1937

<211> 466

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (369)..(424)

<223> n=unknown

<400> 1937

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gccggaccgc ctggaccccc tggccccatt ggtaatgttg gtgctcctgg agccaaaggt    60
```

gctcgcggca ggctgggtccc cctgggtgcta ctggtttccc tgggtgctgct ggccgagtcg	120
gtcctcctgg cccctctgga aatgctggac cccctggccc tcttgggtcct gctggcaaag	180
aaggcggcaa aggtccccgt ggtgagactg gccctgctgg acgtcctggt gaagttggtc	240
cccctgggtcc ccctggccct gctggcgaga aaggatcccc tgggtgctgat ggtcctgctg	300
gtgctcctgg tactccccgg cctcaaggta ttgctggaca cgtgggtgtgg tcggcctgcc	360
tggtcagana ggagagagag gcttccctgg tcttctgggn ccctctgggtg aactggcaaa	420
caangtcct ctggagcaag tggtgaaacg tggccccctg gtccat	466

<210> 1938

<211> 515

<212> DNA

<213> homo sapiens

<400> 1938

ttggtcaaag ataaaaacta agtttgagag atgaatgcaa aggaaaaaaa tattttccaa	60
agtccatgtg aaattgtctc ccattttttg gcttttgggg gggttcagtt tgggttgctt	120
gtctgtttcc ggggttggggg gaaagttggt tgggtgggag ggagccaggt tgggatggag	180
ggagtttaca ggaagcagac agggccaacg tcgaagccga attcctgggtc tggggcacca	240
acgtccaagg gggccacatc gatgatgggc aggcgggagg tcttgggtggt tttgtattca	300
atcactgtct tgccccaggc tccggtgtga ctcgtgcagc catcgacagt gacgctgtag	360
gtgaagcggc tgttgccctc ggcgcggtac tcgatctcgt tggagccctg gaggagcagg	420
gcttcttgag gttgccagtc tgctgggtcca tgtaggccac gctgttcttg cagtggtagt	480
gatgttctgg gaaggcctcg gtggacatca ggcgc	515

<210> 1939

<211> 415

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (112) .. (112)

<223> n=unknown

<220>

<221> misc\_feature

<222> (306)..(343)

<223> n=unknown

<400> 1939

gttccccgcg ggccccccca gccacagcct cctccggctc cccctgctgc agttgctgct	60
actggtggtg caggccgtgg ggagggggct gggccgcgcc acccggccgg gnggccccct	120
ggaagatgtg gtcacgaga ggtaccacat cccagggcc tgtccccggg aagtgcagat	180
gggggatttt gtgcgctacc actacaacgg cacttttgaa gatggcaaga agtttgattc	240
aagctatgat cgcaacacct tgggtggccat cgtggtgggt gtggggcgct catcactggc	300
atggancgag gcctcatggg catgtgtgtc aacgagcggc gancctcatt gtgcctcccc	360
acctgggcta tgggaacatc ggccctggcgg ggtcattcca ccggatgcc aacctc	415

<210> 1940

<211> 498

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (32)..(32)

<223> n=unknown

<220>

<221> misc\_feature

<222> (313)..(313)

<223> n=unknown

<220>

<221> misc\_feature

<222> (476)..(492)

<223> n=unknown

<400> 1940

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accagtttag cctttgagtg tgcagagctc tncctccct cccaccctc agccccaat      60
ccaagatttc atagccctaa caccaccca agcagcttcc ctcacacatg ccctttgttt    120
tcttcctctc ttctatggtt ccttagggaa agccttcttt agggatgaaa agctaactac    180
agcccagtct ggctccagc agcccagggt cagctcagcc tccactggag gcgagggagg    240
agggcaaagg gcatgggaga ggtagggctg cctccagga gccttccct tccctaggag    300
ccagtcagga ttngggagga aggcagaggg gtcctagcca gctgtcacat agaggaatag    360
gggctgggag tggggatgac aagaagtacc aagaaagaga aagtttgggg agatggataa    420
caaactcagc tgtgtcagtg atgtggacgg gaggtatggt ggggggcaac catggnccta    480
tccaaccca gntccaca                                         498
```

<210> 1941

<211> 253

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (119)..(119)

<223> n=unknown

<400> 1941

```
aagaatcttt ttggctgtta gatgctcttg ttggaagaat actaccagat tactacagcc    60
cggccatgct gggcctgaag accgaccagg aggtcctcgg ggagctggtg cgggcgaant    120
gccggctgtg ggggccctga tggagcgtct cgggtgtgctg tggacgctgc tgggtgtcccg    180
ctggttcacg tgctgtttg tggacatctt gcccgaggag acagtgttc ggatctggga    240
ctgtttgttt aac                                         253
```



<210> 1942  
 <211> 458  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (137)..(288)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (450)..(450)  
 <223> n=unknown

<400> 1942  
 tttatatatt attgatctct caggtaaaaa taagttttct ttaaaaagta tgacttcata 60  
 gctaatacatc aaaagctggt agaatacct gattttaaac tgctctttta aaaaattcac 120  
 aactaaagtg tagtganctc aagtatttac aactactaaa aggnaagcag tgaaagttgg 180  
 tccagtgtca actctggnaa ggggcatcgt cagtgtagag acgagcaacg caggggacag 240  
 gcacgctcac cctgtgcca gcagccgggc cctgcagctc tcgcgganct tggcgacggt 300  
 ggccatggat aagcttccag gttctgaaaa tttttctgc ataaacgtgt gacactccat 360  
 cacgaaactc cctttggta tctgcttaaa cttatcgcaa atgtctggaa cgctggtggc 420  
 ttccaaaatc aactcctggt gctgcttaan taaggcca 458

<210> 1943  
 <211> 418  
 <212> DNA  
 <213> homo sapiens

<400> 1943  
 accagatcat cactgccctg gaggaggatg gcacggccca gaagatgcag ctgggctatc 60

ggctccagca gattgcagct gctgtggaaa acaagggtcac agatctatag gaacccagga	120
gccacggcct gctgttgctt cagcctggcc tgggcagccc tggaagctcg gaggagaggc	180
caccttctta ggtgcctgta gtgactgaca agcagagtta gtggaagggtg actcccagtc	240
tcctgggtggc tctggcctcg gccctgctgg atccacctcc tagaccggg gcctcaaggc	300
tcatggggta gtacccagcc ttgctccccg agtcagcga ccctgtgaca ccggtcttca	360
aggagttggg ggactaaggg cttccagaga gtggctggga agagaatcca aggccct	418

<210> 1944

<211> 461

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (133)..(168)

<223> n=unknown

<220>

<221> misc\_feature

<222> (458)..(458)

<223> n=unknown

<400> 1944

ctctcccaa gacccccctg gcagcagata gccctacca tggctaccta tgaggcaggg	60
cagccctgtg gcagccagcc ctgctgaggg gtcagtgtgt agtggcctag gagaggcggt	120
caactcttag acntaggtatg tggcagcagc aacaaggcca gaggcagntc aactgaggtc	180
agggatgggtg gaggaggcag acaggaagca tggggctctc ctcttctctc tccgaatccc	240
agtgtggcca aggccagtgt tcaggaacag tacagtctcc ccaggggcct ggagtctctt	300
ccagccactc tctggaagcc cttagtcccc aactccctgc agaccggtgt cacagggtcg	360
ctggactcgg ggagcaggct ggggtactacc ccatgagcct tgaggccccg ggtctaggag	420
gtggatccag cagggccgag gccaaagagcc accagganac t	461

<210> 1945  
<211> 466  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (365)..(365)  
<223> n=unknown

<400> 1945  
gcctgaccat gtccttctcc ttgagaggca atgctatcac aacaattctc tagagaccca 60  
gagctcccca aaaatgaact ttactgactt cttctctcac tggacagtgc tgaattatct 120  
aggtcatttg ttattctttt gtccatgaac accattacct attaatgtgc catttcctta 180  
ccactcagcc aggtggtaaa gatagttatt aatgtataca cattaatgtg taataatgac 240  
atagtgtctt atcttcatac ctttacaacc ataagataat atgtcagcat ttcagaaagg 300  
accatccaaa ccttaacgca aaatatgggc attgcaactg gtaatatgct ggtaaggaag 360  
atgtntggag aaggagggcc ttcagggtcc tggctaaata atgccctata tgaagctggc 420  
ctacctcta ctcttggtc tattcctggt cacatgtact gatattt 466

<210> 1946  
<211> 486  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (473)..(473)  
<223> n=unknown

<400> 1946  
cgctctttaa gcaaacagag cctgccctat aaaatccggg gctcggggcg cctctcatcc 60

ctgactcggg gtcgcctttg gagcagagag gaggcaatgg ccaccatgga gaacaagggtg	120
atctgcgccc tggctctggt gtccatgctg gccctcggca ccctggccga ggcccagaca	180
gagacgtgta cagtggcccc ccgtgaaaga cagaattgtg gttttcctgg tgtcacgccc	240
tcccagtgtg caaataaggg ctgctgtttc gacgacaccg ttcgtggggg cccctggtgc	300
ttctatccta ataccatcga cgtccctcca gaagaggagt gtgaatttta gacacttctg	360
cagggatctg cctgcacctt gacgcggtgc cgtccccagc acggtgatta gtcccagagc	420
tcggtgcca ctccaccgga cacctcagac acgttctgca gctgtgctc ggntcacaac	480
acagat	486

<210> 1947

<211> 503

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (206)..(218)

<223> n=unknown

<220>

<221> misc\_feature

<222> (436)..(481)

<223> n=unknown

<400> 1947

tcaaagtcag agcagtcaat ctgtgttgtg agccgaggca cagctgcaga agcgtgtctg	60
aggtgtccgg tggaggtggc agccgagctc tgggactaat caccgtgctg gggacggcac	120
cgcgtcagga tgcaggcaga tccctgcaga agtgtctaaa attcacactc ctcttctgga	180
gggacgtcga tggattagg atagangcac caggngncc cacgaacggt gtcgtcgaaa	240
cagcagccct tatttgcaca ctgggagggc gtgacaccag gaaaaccaca attctgtctt	300
tcacgggggg ccactgtaca cgtctctgtc tgggcctcgg ccagggtgcc gagggccagc	360

atggacacca ggaccagggc gcagatcacc ttgttctcca tggtaggcatt gcctcctctc	420
tgctccaaaa ggcgancccg aatcanggat taaaaggccg nccgaagccc cggatttata	480
nggcaggtct gtttgcttaa aga	503

<210> 1948

<211> 382

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (63)..(63)

<223> n=unknown

<220>

<221> misc\_feature

<222> (377)..(377)

<223> n=unknown

<400> 1948

acacgctgta gctgtctccc cggttggtg gctcgtctc tcctggggac acagaggtcg	60
gcnggcagca cacagagga cctacgggca gctgttctt ccccgactc aagaatcccc	120
ggaggcccgg aggctgcag caggagcggc catgaagaag ctgatggtg tgctgagtct	180
gattgctgca gcctgggcag aggagcagaa taagtgtgtg catggcggac cctgcgacaa	240
gacatctcac ccctaccaag tgccctctac actcgggcca cttgctctgt ggtgggggtcc	300
ttatccatcc cactgtgggt ctcacagctg cccactgcaa aaaaccgaat cttcaggtct	360
tcctggggaa gcataanctt cg	382

<210> 1949

<211> 327

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (199)..(312)

<223> n=unknown

<400> 1949

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tgctattcca tgtatgtcat aggtgtgaaa ccttaaactct ttccaacagc cactgcctta      60
tggagactgt atcatcctta tcttcatctt acaggtgaga aatctgcagt gaagaaaggt      120
acatcccaag gggacaccga cagtaagcag cggatctggg attccagaca cgtggctggg      180
cctctgcagg aagaaatcna acgtgtggaa nggttgggga gannagatgc ctagaangga      240
ttttcctgna ttctcttant ggttnngggta agaccgagga cccaagtcnt cactcatcac      300
gtcctcncca gnggtgcaag gatggag                                           327
```

<210> 1950

<211> 486

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (411)..(411)

<223> n=unknown

<400> 1950

```
gccagactcc acagggagcg gatggggggg tcagcctgct tgctttgcac cctgtctgta      60
accctgccag cagcccgtag gctctgtgca atggaagtga gactctggga ggttaagtaa      120
ccaacctcag cacgtagcca ggaagtggca gatcctggat cccagctttc tccaactcca      180
cagctctttc caccocatcc tgcagtcctg tgctgacca acgttcttta gccgggttgg      240
gagaaagaac atcggtagct gtcttcccgc cttgggcctt gtctcctagg atctggaagt      300
gttcaggggg acatccaatc agtggcagcc tccctcccaa aggtggtgga agtccccatt      360
tgctggggaa aaccctgttt cttgggaaag caccggcaga ggctggccgt nggctactgt      420
```

gccaaaccag gggagtgc at gtggctctgc tgggatcagc aataaggctc gtggtcctca 480  
ctgggt 486

<210> 1951

<211> 358

<212> DNA

<213> homo sapiens

<400> 1951

ctagaaacag aggggactgt gacctgggga ctttttctgc aggaagaaaa cagcccaaag 60  
atgagagtga ttcgcgtggg taccgcgaag agccagcttg ctgcataca gacggacagt 120  
gtgggtggcaa cattgaaagc ctggtaccct ggctgcagt ttgaaatcat tgctatgtcc 180  
accacagggg acaagattct tgatactgca ctctctaaga ttggagagaa aagcctgttt 240  
accaaggagc ttgaacatgc cctggagaag aatgaagtgg acctggttgt tcatacctga 300  
aggacctgcc cactgtgctt cctcctgggt tcaccatcgg agccatctgc aagcggga 358

<210> 1952

<211> 520

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (390)..(427)

<223> n=unknown

<400> 1952

attcaaaggc tggtgcttgg acttctctaa agagatgaag ccccccacata ctgaggaggc 60  
aaggcagtca tcaaggcccc aaggtagggc aaatccctgg aaggcttgaa ccctgcagtt 120  
cagtctcccg gggtaatcac tcccagata gcagtgagaa tggggcactg agggccggga 180  
tgtaggcact ggacagcagc aaccaggga tctgtgcccc acaaaccagt taatgggcat 240  
cgttaagctg ccgtgcaaca tccaggatgt ttttggtccc tttgctcagc aacaagttgg 300  
ccaggctgat gccaagtgc tgggcagcca actggggccc tcgtggaatg ttacgagcag 360

tgatgcctac caactgtggg tcatcctcan ggccatcttc atgctgggca nggacatgga 420  
 tggtaanctg catggtctct tgtatgctat ctgagccgtc tagactccag actcctccag 480  
 tcaggtacag ttgcccatcc ttcatagtgt atgcacgggc 520

<210> 1953

<211> 231

<212> DNA

<213> homo sapiens

<400> 1953

agtcactgga ttttgctgcc tgatacgtga atcttcttgg aatttttctc atgtggatct 60  
 aagggaatg ctttattatg gctgctgttg tccaacagaa cgacctagta tttgaatttg 120  
 ctagtaacgt catggaggat gaacgacagc ttggtgatcc agctatTTTT cctgccgtaa 180  
 ttgtggaaca tgttcctggg gctgatattc tcaatagtta tgccgggtcta g 231

<210> 1954

<211> 560

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (277) .. (277)

<223> n=unknown

<220>

<221> misc\_feature

<222> (429) .. (517)

<223> n=unknown

<400> 1954

tgcgcccgcg gctgacacct tcgctcgcag tttgttcgca gtttactcgc acaccagttt 60



ccccaccgc gctttggatt agtgtgatct cagatcaagg caaagggtggg atatcatggc	120
atctatctgg gttggacacc gaggaacagt aagagattat ccagacttta gcccatcagt	180
ggatgctgaa gctattcaga aagcaatcag aggaattgga actgatgaga aaatgctcat	240
cagcattctg actgagaggt caaatgcaca gcggcantga ttgttaagga atatcaagca	300
gcatatggaa aggagtgaaa gatgacttga aggggtgatct ctctggccac tttgagcatc	360
tcatggtggc ctagtgactc caccagcagt ctttgatgca aagcagctaa agaaatccat	420
gaagggcgcn ggaacaaacg aagatgcctt gattgaaatc ttaactacca ggaccaagca	480
ggcaatgaag gatattctctc aagcctatta tacagtatac aagaagagtc ttggagatga	540
cattagtttc cgaaacatct	560

<210> 1955

<211> 522

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (232)..(314)

<223> n=unknown

<220>

<221> misc\_feature

<222> (429)..(517)

<223> n=unknown

<400> 1955

atttaatgga ttagaactat aaagattcctt aactttgaaa gcagaaatat aagttggata	60
gtagtgcag atctttaata ccattttcaa tttcatttat gagctgctac attataaatg	120
agatgctcta aaataataat cgcttttggt gttgttgta tagaacaatg aaaattcctg	180
ttcggaacac aagttgctgt ttatatttgc ttgttctctt aaatagtatg anaagaagta	240
aggtggagct gttgggaaag cccatcgctg acctttggag attatcttct tggttcagtc	300
atctccacca cagnttttta agagtgtgat ttcatagtct ccagaagtat ccgatttaat	360

tgctgagtat aggggaatagc cataatgctt cttgaactct gttcgaatgt ccaaaaggtc	420
aatttctgnt ctggncacca ttattcggtt cagagtaaac tcatcagggtt ccaataccct	480
tcaaggctcg atgcagtctt tcgggctaaa aaggccngcg tg	522

<210> 1956

<211> 458

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (220)..(220)

<223> n=unknown

<400> 1956	
cctcttccac ccctgccagg cccagcagcc accacagcgc ctgcttcttc ggcctgaaa	60
tcatgcccct aggtctcttg tggctgggccc tagccctggt gggggctctg catgcccagg	120
cccaggactc cacctcagac ctgatcccag cccacctct gagcaaggtc cctctgcagc	180
agaacttcca ggacaaccaa ttccagggga agtggtatgn ggtaggcttg gcagggaatg	240
caattctcag agaagacaaa gacccgcaaa agatgtatgc caccatctat gagctgaaag	300
aagacaagag ctacaatgtc acctccgtcc tgtttaggaa aaagaagtgt gactactgga	360
tcaggacttt tgttccagggt tgccagcccg gcgagttcac gctggggcaa cattaagagt	420
tacctggat taacgagtta cctcgtccga gtggtgag	458

<210> 1957

<211> 563

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (542) .. (546)

<223> n=unknown

<400> 1957

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tcagcggggg ggcctgggga gcagctgcat ggggtggcact gtggggaggg tctcccagct 60
ccctcaatgg tggtcgggct ggtgcggcag ctggcggcac ctgtgcactc agccgtcgat 120
acactggtcg attgggacag ggaagacgat gtgggttttca gggaggccca gagatttgga 180
gaagcgggatg aagtctctct ttagttccga agtcagctcc ttggttctcc cgtagagggt 240
gatcttgaag tactccctgt tttgagaaac tttcttgaag aacaccatag catgctgggt 300
gtagttggtg ctcaccactc ggacgaggta actcgtaat ccagggtaac tcttaatggt 360
gccagcgtg aactcgccgg gctggcaacc tggaaacaaa gtctgatcc agtagtcaca 420
cttctttttc ctaaacagga cggagggtgac attgtagctc ttgtcttctt tcagctcata 480
gatggtggca tacatctttt gcgggtcttt gtcttctctg agaattgcat tccctgccag 540
gnctancaca taccattccc ctg 563
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<210> 1958

<211> 480

<212> DNA

<213> homo sapiens

<400> 1958

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aagaatttga tgccctgact cctgtgattg aatccagcct ccatcaagtg gaaagcatgc 60
acggagcagg gaatgccaag aagaattggc aacgcattca ggagcatttc ttttttgcaa 120
catttcaccc actcaaggat tattgtctag aggcagtgtc tggcttgtaa acaatggaag 180
ggaatattta actctaaaca gaaatctggt ctgacattaa aaggaaatga gtgagaacat 240
ttgtgcagac catattttac atccttccac gcctttcagg ctttattgaa gatgaatgga 300
tcaccattga taaatttacc agattcactg atgttccttt agctgcggga tttcagtggg 360
acctttctca aactcaactt agtaaaactaa aaccagggtga ctggtctcag caagacatag 420
gtactaattt ggtcgaagca gataaccaag cggagtggac cgacgttcag aagaagatta 480
```

<210> 1959

<211> 547

<212> DNA

<213> homo sapiens

<400> 1959

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aaaagtgttt attaaagggg aaaatatata gtaatatgtt taaggcacat ggcaaacttt      60
tggcattaaa ttgcaagaaa aaagaaatac aaattatcac aataaatttc agaatctgtt      120
tcttttagtcc aaatagtttt ttttaaaaaa gtctgaacag cagcagcagt tcactaagga      180
aggcacatca tggcttggtg tctccgtgcg agagcagctg ctgcctgggtg tactcccaga      240
tcagcagggc tccactcaca tggacattca gggagcggat aatgcctgtg tgaggaattt      300
ccacacaaac gtccaactgt tggatcagat ttgctggaat tccctcacgt tcatttccca      360
acaagagcag agattttctca ggaaagcaat attgggtagt gtctaaactt ttggcagttt      420
gttccactcc aatgatggta taaccttctg ttttcttctg ctgcagataa tcaattagct      480
gaggtgggtt acctccacta gaggaagcca ctgttctgca gagacactga ggtgctgaaa      540
ctgtttg                                     547
```

<210> 1960

<211> 379

<212> DNA

<213> homo sapiens

<400> 1960

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acagaatatg gcaaaaatga gactacttac ttttatggga atggcagtag aaaataagga      60
aatttctttt gacacaatgc agcaagaact tcagattgga gctgatgatg ttgaagcatt      120
tgttattgac gccgtaagaa ctaaaatggt ctactgcaa attgatcaga cccagagaaa      180
agtagttgtc agtcatagca cacatcggac atttgga aaa cagcagtggc aacaactgta      240
tgacacactt aatgcctgga aacaaaatct gaacaaagtg aaaaacagcc ttttgagtct      300
ttctgatacc tgagttttta tgcttataat ttttgttctt tgaaaaaaaa gccctaaatc      360
atagtaaaac attataaac                                     379
```

<210> 1961

<211> 339

<212> DNA

<213> homo sapiens

<400> 1961

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aagaacaaaa attataagca taaaaactca ggtatcagaa agactcaaaa ggctgttttt 60
cactttgttc agattttgtt tccaggcatt aagtgtgtca tacagttgtt gccactgctg 120
ttttccaaat gtccgatgtg tgctatgact gacaactact tttctctggg tctgatcaat 180
tttgcagtag accatttttag ttcttacggc gtcaataaca aatgcttcaa catcatcagc 240
tccaatctga agttcttgtc gcattgtgtc aaaagaaatt tccttatttt ctactgccat 300
tcccataaaa gtaagtagtc tcatttttgc catattctg 339
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<210> 1962

<211> 383

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (356)..(356)

<223> n=unknown

<400> 1962

```
aagccgctag ctccgctggg acagaggctt gagagaacta acggctcggt gccttctccc 60
tggtctcaga ccatcgtctc tgcactgcga aggcatttgg tagcctcacc actgagatac 120
taactagacc tagactagga gctttatcag gttctaggag gtcctttagg aagactctca 180
aaggcaaate cctgatcccc cgccccaccc ttagccctgc cctctcacca gagcaaaaatt 240
cactggggac ttttcccacc acacatggaa atctgtccac tcggaatacc tctgttttcc 300
atttcaaatt gtagggggaa gggatggaac acttccagtg atggtaagag atctgntatg 360
aaacgaacac cccccgtgtt aat 383
```

<210> 1963

<211> 535

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (442)..(444)

<223> n=unknown

<400> 1963

```
gaaatgcagt acttgcttcc agtaattgta ttgtaatgtg agaaggtggt agcactaatg      60
gttgaataca agagttaaac taatccacac cagctcaaaa aacctgtgga gatttagttg      120
aataagaatg gacgcccaca gtgattctca accaattaca aattttcaca gaacacagta      180
aaactaaaag ggtaactatg agagtcaata caagtatact agaggcacag ggggcccggc      240
tcataaaaaac agatttcaga ccaagttatt aacacggggg gtgtttcggt tcataacaga      300
tctcttacca tcaactggaag tgttccatcc cctcccccta caatttgaaa tggaaaacag      360
aggtattccg agtggacaga tttccatgtg tgggtggaaa agtccccagt gaattttgct      420
ctggtgaaaa ggcaaggcta annnttgggc cggggatcag ggatttgcct ttgagagtct      480
tcctaaagga cctcctagaa cctgataaag ctctagtct aggtctagtt agtat          535
```

<210> 1964

<211> 326

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (21)..(296)

<223> n=unknown

<400> 1964

```
gccaagggcc acctaccagg nagccaccac gtcggacatc ttctcacttg cngtccagcc      60
ctgcagccgg ggactttnc cctctancnn nccctganan cccccgcna ctggcccctn      120
anaccccgga cgangcancn tcagtagctg ctgactcana tgtccaantn cctggncctg      180
```

cagcaagccc taagcctttt gnccggctcc ggccaccccg cnanancaag gtaanccgga	240
gattgccggg tgcnaggcct gatgctggga tgggaccacc ttcagctgtg gctganaggc	300
ccaatgtcag cctgcatttt gacact	326

<210> 1965

<211> 115

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (16) .. (109)

<223> n=unknown

<400> 1965	
gagtggcagc ctcganggtc tgggacactc agcaganact ggaaatggca gttgtgactg	60
ggctgaggcc ttgtnggggg accanggcag gncctgggac accnaaggng gtgag	115

<210> 1966

<211> 445

<212> DNA

<213> homo sapiens

<400> 1966	
gaccctaggg agtggtttat gggggctagc tggtgaaact gccctttcct ttctgttcta	60
tgagtgtgat ggtgtttgag aaaatgtggg gctatggttc aggcgcactt cacatgtgca	120
aagatggaga aagcactcac ctacacgttt aggcacagaa tgttgattga aacattttga	180
atgatcaaaa ataaaatgtt atttttaaag tttctctttg agattttgct taagttttgg	240
tagatattct taagtttttag tgacctcagt ttgggaatta agtaagctaa acattgtgtc	300
cttattatta gttatataaa actatgcttt agactttggt agaaacttct gccccacctt	360
gactgactgc ttttccattt ctggtgtgac aaaatgaatt cacactttaa tgctatggcc	420
acctttaaat aaagtacagc gtgac	445

<210> 1967  
 <211> 414  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (124)..(124)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (252)..(374)  
 <223> n=unknown

<400> 1967  
 aaagtgtgaa ttcattttgt acaaccagaa atggaaaagc agtcagtcaa ggtggggcag 60  
 aagtttctaa caaagtctaa agcatagttt tatataacta ataataagga cacaatgttt 120  
 agcntactta attcccaaac tgagggtcact aaaacttaag aatatctacc aaaacttaag 180  
 caaaatctca aagagaaact ttaaaaataa cattttatct ttgatcattc aaaatgtttc 240  
 aatcaacatt cngagcctaa acgtgtaggt gagtgctttc tccatctttg cacatntgaa 300  
 gtgcgcctga accatagccc cacattttct caaacacat cacactcata gaacagaaag 360  
 gaaagggcag ttnnaccagc tagcccccat aaaccactcc ctagggtcct cgag 414

<210> 1968  
 <211> 385  
 <212> DNA  
 <213> homo sapiens

<400> 1968  
 caagaggctg ccagtgggac attttctcgg ccctgccagc cccagaggag aaggtgggctc 60  
 tgaatctagc accatgacgg aactagagac agccatgggc atgatcatag acgtcttttc 120



ccgatattcg ggcagcgagg gcagcacgca gaccctgacc aagggggagc tcaaggtgct	180
gatggagaag gagctaccag gcttcctgca gaggggaaa gacaaggatg ccgtggataa	240
attgctcaag gacctggacg ccaatggaga tgcccagggtg gacttcagtg agttcatcgt	300
gttcgtggct gcaatcacgt ctgcctgtca caagtacttt gagaaggcag gactcaaagt	360
atgccttgga gatgtcacag attct	385

<210> 1969

<211> 457

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (13)..(13)

<223> n=unknown

<220>

<221> misc\_feature

<222> (398)..(398)

<223> n=unknown

<400> 1969

ggctcagcct agngggaata attgccaaca aacacttttg ggaagcctgg gaccatggct	60
ctgccaggaa tctgtgacat ctccaggga tcatttgagt cctgccttct caaagtactt	120
gtgacaggca gacgtgattg cagccacgaa cacgatgaac tcaactgaagt ccacctgggc	180
atctccattg gcgtccaggt ccttgagcaa ttatccacg gcacccctgt cttttccact	240
ctgcaggaag cctggtagct ccttctccat cagcaccttg agtccccct tggtcagggt	300
ctgcgtgctg cctcgtctgc ccgaatatcg ggaaaagacg tctatgatca tgcccatggc	360
tgtctctagt tccgtcatgg tgctagattc agaccanct tctcctggg ggctggcaag	420
ggccgagaaa atgtcccact ggcagcctct tgtcgag	457

<210> 1970

<211> 271

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (47)..(258)

<223> n=unknown

<400> 1970

gccgtgccgg gcgccatcat ggacgaggac tactacggga gcgcggncga gtggggcgac 60  
gaagctgacg gcggccagca gggaggatga ttctgganaa ngagaggatn atgcggangt 120  
tcagcaanaa tgctgcata aattttccac ccgggattat atcatggaac cctccatctt 180  
caacactctn ganagggntt ttcaggnang agggctctcca nagaangnna tccagcnctt 240  
atctgaaaac tacaccgntg tggcccagac t 271

<210> 1971

<211> 492

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (117)..(490)

<223> n=unknown

<400> 1971

ttgttcttag caaattaaga caattacaat aaaacatcag ctaactgggt tcttgtgaga 60  
aaactgaggt cagcttggaaggaggattccc cgagtggagt tcccagcggc ccgcggntga 120  
cggccanatc tgtcctnagg ggtcgtggga gccacgcgn tgncttgagg gaaatgaaca 180  
ctgaaaacag gatttgggan cagtattnga ttgacagcag acaagggact gtttgnaagg 240  
gcagtttctc actgaagctg ctaccatttt cctttgtaaa gaagtcaccc acctcctccc 300

agnggtgccc attttcaaga cgctgccaga gcctcttaaa acagcttctt gaaanggttt 360  
 ttccacaacg ggttctggaa tgttctgctt cagctctgga ngatgctcta aattagttca 420  
 ccatgatgaa nttagatttg cagtgagcta taaactccgt cacanggtca tgctcggcct 480  
 tccgttttgn tg 492

<210> 1972

<211> 336

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (113)..(113)

<223> n=unknown

<220>

<221> misc\_feature

<222> (241)..(241)

<223> n=unknown

<400> 1972

gcagagttcg cctgcagacg gatctggata tacactatgt ataattgtta cgtgtaattt 60  
 aaaatatatc tgtttgccat cgtcacgaga agattatatg taaggctctg aanggagagg 120  
 gagatgtaca ttctgccagg ctctctggga ccttatccga gtcacgaaat tgatgactgt 180  
 tgatccagtg gtgcaagaag ctacactcca tgtgtcatca cgcttatgac tcctaattga 240  
 nttttaaggc aaaaaatgtc agccgactcc atcttcaccc ctcgattcct cgagtccagc 300  
 tttctgtgcc agtgcttcac tgagccacaa cgtctc 336

<210> 1973

<211> 504

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (88)..(88)

<223> n=unknown

<220>

<221> misc\_feature

<222> (268)..(282)

<223> n=unknown

<220>

<221> misc\_feature

<222> (470)..(470)

<223> n=unknown

<400> 1973

catgagataa tgtaccacaa aagagtttga ttttacaaca taaagtatgg taggaagtgg	60
tcaatgtaca cagtgttgtc agcaaaaangg ggaggcaggg cagtttcaca ttttttgaaa	120
ggtggtggac gacaactaca cttgtcctta aagtaaaata aaagcaggag agaccagca	180
gagaccaacc tgatttgcag ttagcatcag aatctaaatc tagtatcaca actttaagaa	240
actaaaagaa aactattaga aaaatagnac atcnaacaag cnaaaaaata tacaatgta	300
cataataaaa aacacacaac tcttaataat ggctccatgt tcagtagaag aaaatattta	360
ctggagaaac cacagctatt caggttgata ataaaccaac cctcattggg atcattaccc	420
ttagtgctcc ttaaactcat tgaagctgaa aaggcacaac ttaagcaggn aacttatcat	480
cttaaataata tattataact tctc	504

<210> 1974

<211> 503

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(13)

<223> n=unknown

<220>

<221> misc\_feature

<222> (378)..(378)

<223> n=unknown

<220>

<221> misc\_feature

<222> (485)..(493)

<223> n=unknown

<400> 1974

gtcaganctg ganggccggg caccgcggcc atggaggggc aacgctggct gccgctggag	60
gccaatcccg aggtcaccaa ccagtttctt aaacaattag gtctacatcc taactggcaa	120
ttcgttgatg tatatggaat ggatcctgaa ctcccttagca tggtagcaag accagtctgt	180
gcagtcttac ttctctttcc tattacagaa aagtatgaag tattcagaac agaagaggaa	240
gaaaaaataa aatctcaggg acaagatgtt acatcatcag tatatttcat gaagcaaaca	300
atcagcaatg cctgtggaac aattggactg attcatgcta ttgcaaaca taaagacaag	360
atgcactttg aatctggntc aaccttgaaa aaattcctgg aggaatctgt gtcaatgagc	420
cctgaagaac gagccagata cctggagaac tatgatgcca tccgagttac tcatgagacc	480
agtgncatg aangtcagac tga	503

<210> 1975

<211> 558

<212> DNA

<213> homo sapiens

<400> 1975  
gaaaatatca aaatttttga gttagtgtat ggcagagaaa atttagttgc aaataataca 60  
gtttttggtg tttccattat tgacaagcta tgctgcagaa agagcaatcg cattaaatct 120  
tagttcatca gggtcgcgct ccataaaactt cttgcaaact tctatggcat cctctaataa 180  
agtttcatca ctagtttcac catgggttaat tggaaatggc ttccgcccac ctaattcata 240  
gagatgccca tctacatgaa ctaatgcaat aaaatgaaga tctactttct catctatact 300  
tggtgcctca gtctgacctt catgggcact ggtctcatga gtaactcgga tggcatcata 360  
gttctccagg tatctggctc gttcttcagg gctcattgac acagattcct ccaggaattt 420  
tttcaagggt gatccagatt caaagtgcac cttgtcttta ttgtttgcaa tagcatgaat 480  
cagtccaatt gttccacagg cattgctgat tgtttgcttc atgaaatata ctgatgatgt 540  
aacatcttgt ccttgaga 558

<210> 1976

<211> 477

<212> DNA

<213> homo sapiens

<400> 1976  
catttttatt gccctttctg tgatcaaacc atatttctgt acattttcag tggtagaâââ 60  
aaaagggtttt aaaaattgta tcctagggaa cagtttgcca taagtcagaa ttttgcagtt 120  
tagctcatag atcttaattg gtttttctct aaaatatgaa ttttataatt gaaggaccac 180  
aatttgttta atcaagatag gcaacgctgc agttccttta tgaagaggct tttctgtcgt 240  
cccaggctag cagagatgga tagcttcttt gtcagcaatg tgatttcact tattttattg 300  
tcttatttta aaccctgtct ccatgacttc atttgcactt tgacagagca gaggcagagt 360  
atttgtctta tattttctcag attataatat taaaaaatta ccaatccaat ttattttcat 420  
taaagaacgt gagcttttta gcattccttt ctgcttaatc cttctttcct taccctt 477

<210> 1977

<211> 513

<212> DNA

<213> homo sapiens

<400> 1977  
acagtaaaca agatttctgt aaaagttaat ttatccatag tggtagcttt cataaaaata 60  
gttgctcact tacagtcttt ctgtgactat taatacatgg aattatattt atagagatac 120  
agctgtacag ggtaaattca cagctaacac tacacaaata ttatttgga tgggatttag 180  
atgatgtgct gtcttcacag gttatggatt acagccgcat aaagcaatta ctgcacaagt 240  
agtagctgtg aactgtgcaa actagagttt atgccagtgt aatctcaatt ttttttct 300  
tttgtaatac atggaaaata aagtcagagg atacagtacc aggacgtgca gctacactac 360  
agaagcattg tccaaaacca gattcaataa attaattggca aactatactg gatttctagt 420  
ccaggggaga aagactaatt gagttaaac aaagcatta taaactgcta caagtgtttg 480  
tgcttttggt tacgatgaat ggggttccat ttt 513

<210> 1978

<211> 183

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (34)..(34)

<223> n=unknown

<400> 1978  
ccggagagag gcagagaggc tggtagcggca ggcnggagga ggaggaggca ccggcagccc 60  
caagcttgtg gccctgaggc tggagatgtc ttcgttgctt gacctgacac ccaccttcaa 120  
caaactctgt ggcaactcca ggcagatggt ttcaccccaa tatcatgctt ggtgagtatg 180  
tcc 183

<210> 1979

<211> 452

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (124)..(343)

<223> n=unknown

<400> 1979

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cttgatagac atctataacg ttattatittt cagtgggtgtg cagcattttt gcttcatgag      60
tatgacctag gtatagagat ctgataactt gaattcagaa tattaagaaa atgaagtaac      120
tgannnnnnn nnnnnnnnnn nnnnnnnntt tctacattat aactcacagc attgttccat      180
tgcagggtttt gcaatgtttg ggggtaaaga cagtagaaat attattcagt aaacaatntn      240
tgtgtgaact tttaagatgg ataatagggc atggactgag tgctgctatc ttgaaatgtg      300
cacaggtaca cttaccnnnn nnnnnnnnnn nnnnnnnnnn nnnccattc aggaaaacaa      360
cattgtgata tgtactacag gaaccaaata tcatgcgtca tacatgtggg tataaagtac      420
taaaatatat ctaactattc ataatgtggg gt                                     452
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<210> 1980

<211> 496

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (402)..(424)

<223> n=unknown

<400> 1980

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tgtacaaagc agcaactgca atactcaagg ttaaaacatt agaaaagcat ttgtgtgaca      60
ggtatattac agtattatca aaatattaca ttttcagact tacttagcag ataatcatcc      120
accagagctt aaatctttta attatttcca tagtcttaaa aaatatgtaa tgtcagaatg      180
catataaaaa gaatgtaaaa ggaaacctaa aatacaaatg gaataatgta acaaataaat      240
atttgatttc agtaactggt aataatcagc tcaacaccac cattctctct aaactcaatt      300
```



taattcttat aggaataatg aactgtcaaa tgccatggca taattattta tttccaagct	360
atcatcaatg attagaacta aaaaaaattt ggcataaaaa antcaccaat tcagcntaaa	420
tgangctatt tttagccttc aacactagct agcatctcta agaattgttg aaataagtac	480
tataaccttg aaaatt	496

<210> 1981

<211> 424

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (100)..(100)

<223> n=unknown

<220>

<221> misc\_feature

<222> (327)..(399)

<223> n=unknown

<400> 1981

ggaagcagga gatgacgagt ccaagttaga tgatgcacat tcattaggct ctggtgctgg	60
agaaggatac gagccaatca gtgatgacga actagatgan attctggcag tgatgcaaga	120
aaagagggag gaccaacagg atgaggagaa gatgccagat cccttagatg tgatagatgt	180
ggattggtct ggtcttatgc caaagcatcc aaaagaacca cgagagcctg gggctgcact	240
cttaaaattc acacctggag ctgttatgct aagagttggg atttctaaaa agttggcagg	300
ttctgaactc ttgccaaag tcaaagnaac atgtcagaga cttttagaaa aacccaaaga	360
tgcagacaat ctctttgaac atgaattggg gggctctcna tatggctgca ttactacgaa	420
aaga	424

<210> 1982

<211> 557

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (394)..(478)

<223> n=unknown

<400> 1982

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cacaatctct gataacaaaa aaagcattta gggtcaaaag acatccaaca tacattgtaa      60
caatgcacac atattaatta aaaaaaagac ccatgaaata atttttaaaa aactttcaaa      120
aggaaaaaac tattttgggt tccttctgct gaaattcgcc tataaacata ccacgccagc      180
tagaccagca ttccctttca cgtgggtctgt acaacatagt actgcacaat gtgagcaatt      240
actttgatga acacattggt tttgaataaa attgttggtt ctgtatggat gatccagaca      300
taaatccatg gttccatttc acaaaaatat tcataggctg gaagagcagt gacaaccatt      360
ttccaaaatc ttcagtttta acaaaaggcg cagnataaac tactaaatct agatgttttc      420
acattatttt gcatgagtgt caaatactat gtaaaaatta acgtaaaatc ttaagttnngg      480
ccaaactagt ggctccaaag atccaaaatt cttcactctt ttagcatggg ctgataaatc      540
ttttctggcc tttgtca                                         557
```

<210> 1983

<211> 399

<212> DNA

<213> homo sapiens

<400> 1983

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catattcgac ctgctgctgg actcttatag gactgccagg gagtttgaca ccagccccgg      60
gctgaagtgc ctgctgaaga aagtgtctgg catcgggggc gccgccaacc tctaccgcca      120
gtctgcatg agctttaaca tttattttcca cgccctggtg tgtgctgttc tcaccaatca      180
agaaaccatc acggccgagc aagtgaagaa ggtccttttt gaggacgacg agagaagcac      240
ggattcttcc cagcagtgtt catctgagga tgaagacatc tttgaggaaa ccgcccaggt      300
cagccccccg agaggcaagg agaagagaca gtggcgggca cggatgccct tgctcagcgt      360
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ccagctgtca gcaacgcaga ttgggtgtgg ctggtcaag

399

<210> 1984

<211> 104

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (97)..(97)

<223> n=unknown

<400> 1984

ggcgtgaag gtctggtctg ggagaatctg aatctgattg agaactgtta gcaccatggt 60

ggtccatgct gattgtgctt ctgcggtctc tcaccngac actg 104

<210> 1985

<211> 430

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (98)..(98)

<223> n=unknown

<220>

<221> misc\_feature

<222> (245)..(400)

<223> n=unknown

<400> 1985.

ccggtcaagc tcaaggaact gcatttctcc aacatgaaga ccgtggactg tgtggagcgc 60

aagggcaagt acatgtactt cactgtggtg atggcagngg gcaaggagat cgacttttcgg	120
tgcccgcaag accagggctg gaacgccgag atcacgctgc agatggtgca gtacaagaat	180
cgtcaggcca tcttggcggt caaatccacg cggcagaagc agcagcacct ggtccagcag	240
cagcncccct cgcagccgca gccgcagccg cagctccagc cccaacccca gcctcagcct	300
cagccgcaac cccagccnca atcacaaccc agcctcagcc caaccaagct cagcccagca	360
gctcacgta tcgatcanat cactcaattc atctcatgan caacctaccg acgatcgaca	420
atcgacaaca	430

<210> 1986

<211> 342

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (55)..(66)

<223> n=unknown

<220>

<221> misc\_feature

<222> (284)..(290)

<223> n=unknown

<400> 1986

tgaaagtgtc agacttttctg aaagtactcg agaaataatg aataaattct taatnttttc	60
ccctcnaccg ccttttttta ttctccaaga ttaggaatta ctacggatta ggtttttgaa	120
aataaagttt cttttttgga aaatggtcta cattcagaaa tgtcttagaa caagcattta	180
aaaaaaacta ataaataatc ataaatcaaa atacattaaa ataaaattac agtacatcat	240
cgctcctaga aaattcacca tacaagacga tcctttcaaa ggtncataa taaaagtctt	300
cttgactcga aatcgtttcc tgcacgtga tgaaaaagta tg	342

<210> 1987  
 <211> 446  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (71)..(71)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (369)..(434)  
 <223> n=unknown

<400> 1987  
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 tggaggggga nggcctggga cagtcactag gcaacttcaa ggacgacctg ctcaatgtat 120  
 gcatgcgcca cgttgagaag atgtgcaagg cggacctgag ccgtaacttc attgagagga 180  
 accacatgga gaacggtggt gaccatcgct atgtgaacaa ctacacgaac agcttcgggg 240  
 gtgagtggag tgcaccggac accatgaaga gatactccat gtacctgaca cccaaagggtg 300  
 gggtcgggac atcataccag cctcgtctcc tggccgcttc accaaggaga ccacccagaa 360  
 gaatttcanc aatctctang gcaccaaagg taactacacc tcccngtct gggagtactc 420  
 ctccagcatt cagnactctg acaatg 446

<210> 1988  
 <211> 416  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature

<222> (160)..(411)

<223> n=unknown

<400> 1988

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tggatgtctc cctccccaac cctgcaagc tggcccatcc ttccagagcc cccataggcc      60
tggggctgtt gagacgggag atgtcccccac tgtgctgctc ctggttttgt ctcctctcca    120
atccttgagc accctgatat gcaacatggg gggtaatcan aaggaggagg cagcctctga      180
tggggcaacg gctgagggtg ggggcagtgt gtaaggcacc ttttgcggtc agcccancca      240
cactccatcg ccanagagaa tgccaaagtg tagactgaat gaaattctgt aggcaaattg      300
naaatggtan ctgggccagt agctatttgc atgggtggat tatatcatgt taaggggaatt     360
ctttatctca gcananggaa canaggaata tcttggctaa ggtcatcctg ncagtc         416
```

<210> 1989

<211> 170

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (39)..(168)

<223> n=unknown

<400> 1989

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ccggtggacc cacggtgcct ccctccctgg gatctacana nactatggcc ttgccaacng      60
ctcgaccctt gttgggggtcc tgtgggaccc ccgcnctcng cagcctcctg ttctgtctct    120
tcagcctcgg atgggtgcag ccctcgagga ccctggctgg agagacangg                 170
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<210> 1990

<211> 275

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (240)..(240)

<223> n=unknown

<400> 1990

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ctcaggctcc cgttcaggat ttttagactc tgaggagcag ttggagctaa tccacattat      60
ggaaatggaa accaccgaac ctgagccaga ctgtgtagtg cagcctccct ctcctcctga     120
tgacttttca tgccaaatga gactctctga gaagatcact ccattgaaga cttgttttaa     180
gaaaaaggat cagaaaagat tgggaactgg aaccctgagg tctttgaggc caatattaan     240
cactcttcta gaatctgggt cacttgatgg ggttt                                275
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<210> 1991

<211> 419

<212> DNA

<213> homo sapiens

<400> 1991

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gaaactctga gaattttctt cagattcatt gagagagttt tccataaaga catttatata      60
tgtgagcaag atttttttta aacaattact ttattattgt tgttattaat gttattttca     120
gaatggcttt tttttttcta ttcaaaatca aatcgagatt taatgttttg taaaaacca      180
gaaagggtat ttcatagttt ttaaaccctt cattcccaga gatccgaaat atcatttggtg     240
ggttttgaat gcatctttta agtgctttta aaaaaagttt tataagtagg gagaaatttt     300
taaataattct tacttggatg gctgcaacta aactgaacaa atacctgact tttcttttac     360
cccattgaaa atagtacttt cttcgtttca caaattaaaa aaaaaatctg gtatcaacc      419
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<210> 1992

<211> 381

<212> DNA

<213> homo sapiens

<400> 1992

agaaagtact attttcaatg gggtaaaaga aaagtcaggt atttgttcag tttagttgca	60
gccatccaag taagaatatt taaaaatttc tccctactta taaaactttt ttttaaagca	120
ctttaaagat gcattcaaaa cccacaaatg atatttcgga tctctgggaa tgaaagggtt	180
aaaaactatg aaataccctt tctggggttg taccaaacat taaatctcga tttgattttg	240
aatagaaaaa aaaaagccat tctgaaaata acattaataa caacaataat aaagtaattg	300
tttaaaaaaa atcttgctca catatataaa tgtctttatg gaaaactctc tcaatgaatc	360
tgaagaaaat tctcagagtt t	381

<210> 1993

<211> 408

<212> DNA

<213> homo sapiens

<400> 1993

gacatagcca actgggagct ctcagtaaaa ttgcatgata aagttcatac cgtagtagca	60
tcaaacaatg ggtcagtgtt ctcggtggaa gttgatgggt cgaaactaaa tgtgaccagc	120
acgtggaacc tggettcgcc cttattgtct gtcagcgttg atggcactca gaggactgtc	180
cagtgtcttt ctcgagaagc aggtggaaac atgagcattc agtttcttgg gtacagtgt	240
caaggtgaat atcttaacca gacttgccgc agaattgaac aaatttatgc tggaaaaagt	300
gactgaggac acaagcagtg ttctgcgttc cccgatgccc ggagtgggtg tggccgtctc	360
tgtcaagcct ggagacgcgg tagcagaagg tcaagaaatt tgtgtgat	408

<210> 1994

<211> 325

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (95)..(95)

<223> n=unknown



<400> 1994  
 cgcggtgccgc ggcgcctggt tgcctgcagc ggcccggacc cgagaggaag ctgaaccatc 60  
 tatctccaga aatgtcttca gaaagtaaag agcancataa cgtttcaccc agagactcag 120  
 ctgaaggaaa tgacagttat ccatctggga tccatctgga attcaaagg gaatcaagta 180  
 ctgacttcaa gcaatttgag accaatgata aatgcagacc ttatcatagg atccttattg 240  
 agcgtcaaga gaaatcagat acaaacttca aggagtttgt tattaataag ctgcagaaga 300  
 attgccagtg cagtccagcc aaagc 325

<210> 1995

<211> 288

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (222)..(228)

<223> n=unknown

<400> 1995  
 tttttaataa caaactcctt gaagtttgta tctgatttct cttgacgctc aataaggatc 60  
 ctatgataag gtctgcattg atcattgggc tcaaattgct tgaagtcagt acttgattcc 120  
 ctttgaagtt ccagatggat ccagatgga taactgtcat ttccttcagc tgagtctctg 180  
 ggtgaaacgt tatgttgctc ttacttttct gaagacattt cnggaganag atggttcagc 240  
 ttcctctcgg gtccgggccc ctgcaggcaa ccaggcgccg cggcacgg 288

<210> 1996

<211> 403

<212> DNA

<213> homo sapiens

<400> 1996  
 gggaataggt ggtctgaacg tgggtgtctca ctctgaaaag caggaatgta agatgatgaa 60  
 agagacaatg taatactggt ggtccaaaag catttaaaat caatagatct gggattatgt 120

ggccttaggt agctggttgt acatctttcc ctaaatacgat ccatggtacc acatagtagt	180
tttagtttag gattcagtaa cagtgaagtg ttactatgt gcaacggtat tgaagttctt	240
atgaccacag atcatcagta ctggtgtctc atgtaatgct aaaactgaaa tggtcctgtg	300
ttgcattgtt aaaaatgatg tgtgaaatag aatgagtgt atggtgttga aaactgcagt	360
gtccgttatg agtgccaaaa atctgtcttg aaggcagcta cac	403

<210> 1997

<211> 530

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (40)..(260)

<223> n=unknown

<400> 1997

caatctaaaa aaaaaatcag aatgtgtaga ccatacatan gagagagggc atccccccaa	60
aatctgatgt taagtgaata aaatcaatnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn tagttatgac aaattttatt gtatatattg caccacattg	300
aaaaaaaaatc aacatcatga atgagattaa aacaaaggtc attttaagag aatatttctc	360
aggccaggaa agacctggtt atagcctaata tagtagtgat attaacagta ggggactagt	420
cagcatggaa acacacaçaa aaaacagagt cacgttgcca ggggagatga tcaatctggg	480
gactagataa ttccagtcac tttaaaataa ttttgttaca aagcaggggt	530

<210> 1998

<211> 440

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (348)..(405)

<223> n=unknown

<400> 1998

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agaactgaca ctggggctgc gggcgcccc gaccctactc agcaccagta gtgggggcaa      120
gagcaccatc acccgtgtca acagccctgg gaccctggct cggctgggca gtgtcactca      180
tgtcaccagc ttcagccatg ccccccccag tagccgagga ggctgcagca tcaagatgga      240
accagagcca gcagagcctc tcgctgcagc agtggaagcg gccaatgggg ctgagcagac      300
ccgagtgaac aaagcaccag aaggcgaggag ctcttgagcg ctgaggantg atgactattg      360
aggatgaagg agcttggaca agatgctgga tcagagccac ggacntttga aagagcggaa      420
acttcattcc ggggcttgca                                     440
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<210> 1999

<211> 135

<212> DNA

<213> homo sapiens

<400> 1999

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accagtccag cagcatctgt tgatgtgttg gcgttgggga cccgaagctg gtggatcgtg      60
cacggctgcg cggggtcgcg cagggttgcc ggccgcgccc tccttctcag ttctcaatca      120
tggcttgccg gcttg                                     135
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<210> 2000

<211> 381

<212> DNA

<213> homo sapiens

<400> 2000

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cggtgaggtc agcttcacat tctcaggaat ctcttctttt gggctctggct gaagttgagg      60
atctcttact ctctaggcca cggaattaac ccgagcaggc atggaggcct ctgctctcac      120
```

ctcatcagca gtgaccagtg tggccaaagt ggtcagggtg gcctctggct ctgccgtagt	180
tttggccctg gccaggattg ctacagttgt gattggagga gttgtggcca tggcggtgt	240
gccccatggtg ctcagtgcc tgggcttcac tgcggcgga atcgctcgt cctccatagc	300
agccaagatg atgtccgcgg cggccattgc caatgggggt ggagttgctc gggcagcctt	360
gtggctactc tgcagtcact g	381

<210> 2001

<211> 532

<212> DNA

<213> homo sapiens

<400> 2001

gcggtttctg cggcggtg agaggtggtc ggagaagtag gaacctctg ccgggctcgt	60
ggcggttct gtccgctccg cggagggaag cgccttccc acaggacatc aatgcaagct	120
tgaataagaa aaacaaattc ttctcctaa gccatggcat atcagttata cagaaatact	180
actttgggaa acagtcttca ggagagccta gatgagctca tacagtctca acagatcacc	240
ccccaaactg ccttcaagt tctacttcag ttgataagg ctataaatgc agcactggct	300
cagaggggtca ggaacagagt caatttcagg ggctctctaa atacgtacag attctgcgat	360
aatgtgtgga cttttgtact gaatgatgtt gaattcagag aggtgacaga acttattaaa	420
gtggtaaagt gaaaattgta gctgtgatgg taaaaatact ggctcaatac tacagaatga	480
tagaaaaata tgacttttta caccatcttc tgtaatcatt gctttgaaga ga	532

<210> 2002

<211> 261

<212> DNA

<213> homo sapiens

<400> 2002

aagtttgatc acagagtgtt tgcataatctt cttactatctt ttggtatgat ttaaaaatta	60
ttggttcatt aaccatttaa aagaggaata attcagtaga ggcactagga ggttgaacag	120
gatcattctt cattaatatt cagccttgac aagcacagcg gctacaatac ccaggaaagt	180
gagcaacagg agaccgagtt tttctttgtt gaaccgtttc aagagaaaaa attttcccca	240
atccaccttt gactggctgt t	261

<210> 2003  
 <211> 392  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (139)..(139)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (365)..(365)  
 <223> n=unknown

<400> 2003  
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 ctggggtgtc ccgctccgcc accatcgtca tcgcttactt gatgaagcac actcgatga 120  
 ccatgactga tgcttatana tttgtcaaag gcaaacgacc aattatctcc ccaaacctta 180  
 acttcatggg gcagttgcta gagttcgagg aagacctaaa caacggtgtg acaccgagaa 240  
 tccttacacc aaagctgatg ggcgtggaga cggttgtgtg acaatgggtct ggatggaaag 300  
 gattgctgct ctccattagg agacaatgag gaaggaggat ggattctggt tttttttctt 360  
 tcttnttttt tttgtagtgg gagtaagttt tg 392

<210> 2004  
 <211> 278  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature

<222> (34)..(258)

<223> n=unknown

<400> 2004

ttttttgtga aaaatatttt taaataaatt tttnttnttt acantcatga tanatatatg 60

taacaagggt tatggcactg taaccagaat caaatcagag aagaaaaaaaa aaaaggnaaa 120

aggtgggaan gatagtattt gatataattt tgaattcctn tctatctcca agctggcaaa 180

tttgactat ttgtctatca ttcagcngcc agctctaact tgtttgcaca cttaaaacat 240

catattattg cacaagangc cagtgaaggc atataatg 278

<210> 2005

<211> 61

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (39)..(42)

<223> n=unknown

<400> 2005

ggatatgttt ttctaaaaac tcagtgtctg cacaatccnt tnatagaact gggaggatgt 60

g 61

<210> 2006

<211> 454

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (89) .. (89)

<223> n=unknown

<220>

<221> misc\_feature

<222> (443) .. (443)

<223> n=unknown

<400> 2006

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cgacaggcgg cgcgggcggc ggtaaaatgt cggttccagg accttaccag gcgggccactg      60
ggccttcctc agcaccatcc gcacctcnt cctatgaaga gacagtggct gttaacagtt      120
attaccccac acctccagct cccatgcctg ggccaactac ggggcttggt acgggggctg      180
atgggaaggg catgaatcct ccttcgtatt ataccagcc agcgcccatc cccaataaca      240
atccaattac cgtgcagacg gtctacgtgc agcaccccat cacctttttg gaccgcccta      300
tccaaatgtg ttgtccttcc tgcaacaaga tgatcgtgag tcagctgtcc tataacgccg      360
gtgctctgac ctggctgtcc tgcgggagcc tgtgcctgct ggggtgcata gcgggctgtg      420
cttcacccct tctgcgtgga tgnccctgcaa gacg                                454
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<210> 2007

<211> 391

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5) .. (354)

<223> n=unknown

<400> 2007

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ggganaatga caccaatcat ttgattacag aaaatggttt tataaatcct cctcttgaaa      60
ttatgttcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
```

```

nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnt tctgttcaaa agtatttcag accaaaagga      240
ggtcataaaa actgttcata taattactct atganngnna antccctgga ngnananggg      300
cactgaagat ctggcacaga gaaacaaggg gagacagggc agtgataaga tccngcccta      360
tttttctagc atgcatttac gaccttgtgg a                                     391

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<210> 2008

<211> 553

<212> DNA

<213> homo sapiens

<400> 2008

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gttgcagtta gttattccag gtattatttt tgttttcaga aaaagaaaac tcagtagaag      60
ataatggcaa gtccagactg gggatatgat gacaaaaatg gtcctgaaca atggagcaag      120
ctgtatccca ttgccaatgg aaataaccag tcccctgttg atattaaaac cagtgaaacc      180
aaacatgaca cctctctgaa acctattagt gtctcctaca acccagccac agccaaagaa      240
attatcaatg tggggcattc cttccatgta aattttgagg acaacgataa ccgatcagtg      300
ctgaaagggtg gtcctttctc tgacagctac aggctctttc agttccattt tcaactggggc      360
agtacaaatg agcatgggtc agaacataca gtggatggag tcaaataatc tgccgagctt      420
cacgtagctc actggaattc tgcaaagtac tccagccttg ctgaagctgc ctcaaaggct      480
gatggtttgg cagttattgg tgttttgatg aaggttggtg aggccaaacc caaagctgca      540
gaaagtactt gat                                                         553

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<210> 2009

<211> 343

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (249)..(340)

<223> n=unknown



<400> 2009  
gaaaaaaata gacatacaaa tcacttagtt gtaattttaa agaattcctc aaactaaact 60  
tgaatttaag cataagctta tgcttacaga ttactatttg ctagcttact aattattatt 120  
tgaattaagc agtaagaact aaaatttaag tttcttagtt ttacagattg atttgaaggc 180  
atgctgtctt gctaatttg aaataaattt atttcttaa aattattatt ttactggatt 240  
atgtcagang cagggctgtg ttcttgagga aggacaagtt tcttctcaga atcatcaaaa 300  
tgaagcctc actgtntctgc cctccagagg ttgggtnggn cgg 343

<210> 2010

<211> 363

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (50) .. (50)

<223> n=unknown

<220>

<221> misc\_feature

<222> (204) .. (277)

<223> n=unknown

<400> 2010  
ctctactcat tcactgcagg gatggatctc agcaaacggg aatattttgn gctttgtaa 60  
atctcttaga aagtgtggaa acagaagagg tagtggatat ttttcaagtg gtaaaagctc 120  
tacgcaaagc taggccaggc atggtttcca cattcgagca atatcaattc ctatatgacg 180  
tcattgccag cacctaccct gctnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngca ggatgctaatt tgtgttaatc 300  
cacttggtgc cccagaaaag ctccctgaag caaagggaca ggctgagggt ctgaaccac 360  
gag 363

<210> 2011  
 <211> 539  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (59)..(59)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (238)..(395)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (502)..(535)  
 <223> n=unknown

<400> 2011  
 ctaatttggt gtcaaaagta tcaagcaata aattttaaat attgtacagg gaataatcng 60  
 agcatgcaaa attgaaaacc ccatgtaaag acagcatgat aagctcactg gaaatttttt 120  
 aattaaataa gcttaaaaag acattggact aaatgctaata atatggaata taagatttcc 180  
 caatgttaata ttagttaaca acttttttgt agtagcatat acacacatac cacctttntg 240  
 tactatctct agaagtaaaa tagtaaaacta tataagatag atatatatga gtagaacaag 300  
 gnggacatct tgaggtcatt tcagaaatgt acatgatttt attgagtctg cacacagttt 360  
 atgattttta aaaacagatc cttcaagcta agttnacact tctaataataa aatgtatttt 420  
 ttcttcataa aaacaaagga aaagcaaaag cttttaggat tcccttgaaa gaattctctc 480  
 tctttctctg ctctcacaca annacacac ccatnacacc acataccata ttcncaca 539

<210> 2012  
 <211> 534  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (418)..(517)  
 <223> n=unknown

<400> 2012  
 atcagttcca ggccccattc cattctctga acatcttctg acacactgac agtgctgagc 60  
 agagcaaggt tgggttcgct cctctggcag aacctcggct ctcaggaggt ccttggtcca 120  
 gggaacagct gcttctctgg ggctgggctc tactccctgc agcccctcgc actaccacgc 180  
 tggaaccagg gacaacgcct gagtccaacc ctctgtgtcta tttccagaa aacgggcaat 240  
 gctgtgagag ccattggaag actgtcctct atggcaatga tctcagggt cagtggcagg 300  
 aaatcctcaa cagggtcacc aaccagcccg ctcaatgcag aaaaactaga atctgaagat 360  
 gtgtcccaag ctttccttga ggctgttgct gaggaaaagc ctcattgtaa accctatntc 420  
 tctaaganca ttcgcgattt agaagtttgt gganggaagt gctggctaga tttgactgca 480  
 agattgaagg ataccccaga accccgaggt tgttctnggt tcaaagatga ccag 534

<210> 2013  
 <211> 483  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (45)..(45)  
 <223> n=unknown

<220>

<221> misc\_feature

<222> (322) .. (322)

<223> n=unknown

<220>

<221> misc\_feature

<222> (460) .. (460)

<223> n=unknown

<400> 2013

actgcttttc tctggctttg tttcactctt cttcctcttc cctnctcct tcaccttctt	60
ccatcgtttc cacaatgagc tctgctgtgc aggtggcttc tccaagactg ttgacagcct	120
tgcaggtgta cttggcatcg tcateccccg aaacatcact aataattaaa gagcagttcc	180
cgtcctcatc gtagtctatc tggaagtggc gggactccct gattgactgg tcacttttga	240
accagacaac ctgggggtct ggggtatcctt caatcttgca gtcaaactta gcagcacttc	300
cctccacaac ttctaaatcg cnaatgggtct tagagaaata gggttttaca tgaggctttt	360
cctcagcaac agcctcaagg aaagcttggg acacatcttc agattctagt ttttctgcat	420
tgagcgggtg gttggtgacc tgttgaggat ttcctgccan tgagcctgag atcattgcat	480
aga	483

<210> 2014

<211> 369

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (342) .. (342)

<223> n=unknown

<400> 2014

cttcctgccc ggagctgtgc agcaaacagt cgacccccat ggggctcagc cttcccctga	60
gtactagcgt ccctgacagc gcggaatctg ggtgcagttc ctgcagtacc ccactctacg	120
atcaggggtgg cccggtggaa atcctgccct ttctgtacct gggcagtgcg tatcacgctt	180
cccgcaagga catgctggat gccttgggca taactgcctt gatcaacgtc tcagccaatt	240
gtcccaacca ttttgagggt cactaccagt acaagagcat ccctgtggag gacaaccaca	300
aggcagacat cagctcctgg tttcaacgag ggccatttga cnttcataga cttccatcaa	360
gaatgctgg	369

<210> 2015

<211> 316

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (203)..(247)

<223> n=unknown

<400> 2015

cttatgtaac aaaatgtctt cttagaagaa gaaatatatt atttcaggtc ataaataatc	60
agcaaacata caactgttgg caactaaaaa aaaacccaac actggtatatt tccatcagtg	120
ctgaaaacaa acctgcttaa gatatatatta caggatagta cagtactcaa aaacaaaaat	180
tgaggtatatt gggtcttcta ggngtagaca atgacatttg tgaaggcaga cacctacaca	240
aaaatanata aggtatattc tcatatgtat atgtgtcgtc gggaataata ctggtaggta	300
tgtcaagcat gaagag	316

<210> 2016

<211> 105

<212> DNA

<213> homo sapiens

<400> 2016

agatgacccc tccctgtgcc ggctgggtcc tctccctttt cccctgggtca cggctactca	60
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tggaagcagg accagtaagg gaccttcgat taaaaaaaaa aaaga

105

<210> 2017

<211> 71

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (49)..(49)

<223> n=unknown

<400> 2017

tcctgcttcc atggagtagc cgtgaccagg ggaaaaggga gaggaaccng ccggcacagg 60

gaggggtcat c 71

<210> 2018

<211> 405

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (380)..(380)

<223> n=unknown

<400> 2018

tgtacacgta tcctgaaaac tggagggcct tcaaggctct catcgctgct cagtacagcg 60

gggctcaggt ccgcgtgctc tccgcaccac cccacttcca ttttggccaa accaaccgca 120

cccctgaatt tctccgcaaa tttcctgccg gcaaggctcc agcatttgag ggtgatgatg 180

gattctgtgt gtttgagagc aacgccattg cctactatgt gagcaatgag gagctgcggg 240

gaagtactcc agaggcagca gcccagggtg tgcaagtggg gagctttgct gattccgata 300

tagtgcccc agccagtacc tgggtgttcc ccaccttggg catcatgcac cacaacaaac	360
aggccactga gaatgcaaan gaggaagtga ggcgaattct ggggc	405

<210> 2019

<211> 496

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (490)..(490)

<223> n=unknown

<400> 2019

ggcaggtgca ggcagctagg tgatggcaag agatgttcac ttgaagatct tgccttgatt	60
gaaggctttg cccacatgct ggaaggcccc ctcccaggaa aagtactctc gaaccagcgt	120
ctgggtctcc tcgctgccag gatccagttt ccgccatgtg tatgactcgt agtccacctg	180
ccaatctgga ctcagcggaa aggcaagctc ctggcctcgg aagaccaga ctccagaaat	240
ggagctgcta ttgttggttc caaaaaggat gacactggcg aaggcattct tcctcagctt	300
gtccagtcgc tggaacattc cagtgatgag attgcagctc atgaaggctt gaggtagttc	360
ttcagggaag cgatactctg agtaccacag ggaccagccg tccttatcaa agtgctccca	420
gaaatatggc agtgccacag agagtgtgtc ctcattggag tacttgcgct taaattcatc	480
caacacaaan gtactc	496

<210> 2020

<211> 236

<212> DNA

<213> homo sapiens

<400> 2020

gagggaaacat gctgagaaac tgatgaagct gcagaaccaa cgaggtggcc gaatcttcct	60
tcaggatatc aagaaaccag actgtgatga ctgggagagc gggctgaatg caatggagtg	120
tgcattacat ttggaaaaaa atgtgaatca gtcactactg gaactgcaca aactggccac	180

tgacaaaaat gacccccatt tgtgtgactt cattgagaca cattacctga atgagc 236

<210> 2021

<211> 458

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (362)..(440)

<223> n=unknown

<400> 2021  
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 caagacctac accatcacgg aaggctcctt gagagcagta atttttatta ccaaacgtgg 120  
 cctaaaagtc tgtgtctgate cacaagccac gtgggtgaga gacgtgggtca ggagcatgga 180  
 caggaaatcc aacaccagaa ataacatgat ccagaccaag ccaacaggaa cccagcaatc 240  
 gaccaataca gctgtgaccc tgactggcta gtagtctctg gcaccctgtc cgtctccagc 300  
 cagccagctc atttcacttt acaccctcat ggactgagat tatactcacc ttttatgaaa 360  
 gnactgcatg aataaaaatta ttcctttgta tttttacttt taaatgtctt ctgtattcac 420  
 ttatatgttc taattaatan attattttatt attaagga 458

<210> 2022

<211> 435

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (147)..(147)

<223> n=unknown



<400> 2022  
aagtgaatac agaagacatt taaaagtaaa aatacaaagg aataatttta ttcatgcagt 60  
gctttcataa aaggtgagta taatctcagt ccatgagggt gtaaagtga atgagctggc 120  
tggctggaga cggacagggt gccaganact actagccagt cagggtcaca gctgtattgg 180  
tcgattgctg ggttcctggt ggcttgggtc ggatcatggt atttctggtg ttggatttcc 240  
tgtccatgct cctgaccacg tctctcacc acgtggcctg tggatcagca cagactttta 300  
ggccacgttt ggtaataaaa attactgctc tcaaggagcc ttccgtgatg gtgtaggtct 360  
tgattctgct aactggcagt cgctgggtag tgaggctcac acaggctctc ctatgtgaga 420  
cttcactccc tacac 435

<210> 2023

<211> 385

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (282)..(339)

<223> n=unknown

<400> 2023  
gagaggctct ggctcttgct tcttaggcgg cccgaggacg ccatggccga gtgcccagaca 60  
ctcggggagg cagtcaccga ccacccggac cgcctgtggg cctgggagaa gttcgtgtat 120  
ttggacgaga agcagcacgc ctggctgccc ttaaccatcg agataaagga taggttacag 180  
ttacgggtgc tcttgctcg ggaagacgtc gtccctgggga agctatgacc cccaccagaa 240  
taaggccaag cttgtgctat catgtgggaa gctctaccct gntggacgat accgattctc 300  
agatcccagt ttctggcggt tagtgtacca catcaagant gacggcgtgg aggacatgct 360  
tttcgagctg ctgcccagat gactg 385

<210> 2024

<211> 437

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (14)..(124)

<223> n=unknown

<220>

<221> misc\_feature

<222> (335)..(338)

<223> n=unknown

<400> 2024

cacatacaac ttnttcacac ccaggngcnt gaccatctat nacagggggg aaacccaacc	60
tctatccctt ttccacgtgg gcaagccaag ggttctgagg gtcacccac agggctcgcc	120
ggcntggcct cctgctgcgt cccgggatgt ggaccactga ccagaggct tctgagtcct	180
gagcacagat aagggtcctt ttcaggcctt tccttgagct gcacgtgaac ctgtgtgggc	240
aggcagcgtt tgcaggcgtg ttacgggca ggcagcattt gcaggcgtgt ttaccggcag	300
gcagcgtttg caggcgtgtt tacatgcagg cgtanacnca tgtgagacca ctggtccagg	360
gtttcagagg tcctgctcag gtgaatcggc tgtgttctca caagttcacg gagctgagtg	420
ggttgcaaca tgaaata	437

<210> 2025

<211> 509

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (95)..(95)

<223> n=unknown

<220>

<221> misc\_feature

<222> (216)..(216)

<223> n=unknown

<220>

<221> misc\_feature

<222> (502)..(502)

<223> n=unknown

<400> 2025

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gtgccaaagg atcttcccc tgacacaact ctgctagacc tgcaaaacaa caaaataacc      60
gaaatcaaag atggagactt taagaacctg aaganccttc acgcattgat tcttgtcaac      120
aataaaatta gcaaagttag tcctggagca tttacacctt tggatgaagt ggaacgactt      180
tatctgtcca agaatcagct gaaggaattg ccaganaaaa tgcccaaac tcttcaggag      240
ctgcgtgcc atgagaatga gatcaccaaa gtgcgaaaag ttactttcaa tggactgaac      300
cagatgattg tcatagaact gggcaccaat ccgctgaaga gctcaggaat tgaaaatggg      360
gctttccagg gaatgaagaa gctctcctac atccgcattg ctgataccaa tatcaccagc      420
attcctcaag gtcttctctc ttcccttacg gcttacatct tgatggcaac aaaatcagca      480
gagttgatgc agctagctga anaggactg                                     509
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<210> 2026

<211> 615

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (420)..(597)

<223> n=unknown

<400> 2026  
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taccagtaat gatggggatt aatacagagc tagtgtttgg catttgactt tatctcaaat 120  
gagctaactg ctcaatgaat tacagaagac tcatactctt tttatttttt cctggaaatt 180  
aaaaaagaaa agctttacta aatattgaca tatatatatta ctccaaattt tacatttagt 240  
gaaataagaa tatctctagt agctcagtta acatcaacag aaagcttcaa aagatgattc 300  
tgaaaatggc aggcaaaatt tcttttttatt gtaggcaatt acttaaactg gaaatttggc 360  
tttatgcata ataagtcattg tgggtaaaac atccacattg cagtttaggtt tccagtttctn 420  
agctnctatt tatttttttag caatgacatt aacaagattt tgccaggtat caaaatgagg 480  
gcttcttgag aattacttat agtttccgag ttgnatggnc gagcgcacgt agacacatct 540  
gaaggtggat ggctgtatct cccagtactg gaccgggggtg ctgaaaagac tcacatncga 600  
ataagaagcc ctttt 615

<210> 2027

<211> 346

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (99)..(171)

<223> n=unknown

<220>

<221> misc\_feature

<222> (296)..(330)

<223> n=unknown

<400> 2027  
aagatgccca atactttcat ggctgtagct atggatctct gtgatagaga ctgcctttt 60  
ggcagcatcc accctcgaga taaacagact gtggcttanc ggctgcattt gggggcccgt 120

gctctggctt atggtgagaa gaatttgacc tttgaaggac cactgcctga naagatagaa 180  
ctcttggctc acaagggggt gctcaatctc acatattacc agcaaattcca ggtgcagaaa 240  
aaggacaaca agatattttga gatctcctgt tgcagtgacc atcgatgcaa gtggcntcca 300  
gcttctatga acaccgtctc caaccgagtn cctgaccctg gcggat 346

<210> 2028

<211> 62

<212> DNA

<213> homo sapiens

<400> 2028  
caatgtagc tgtttttaat ccatcagtaa actgcattaa gattcttaat aaacaaaaca 60  
ct 62

<210> 2029

<211> 497

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (56)..(56)

<223> n=unknown

<400> 2029  
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ggctgcccc tgggtcactc tgttcccgcc ctctctgag gagtttcaag ccaacaaggc 120  
cacactggtg tgtctcataa gtgacttcta cccgggagcc gtgacagtgg cctggaaggc 180  
agatagcagc cccgtcaagg cgggagtgga gaccaccaca ccctccaaac aaagcaacaa 240  
caagtacgcg gccagcagct acctgagcct gacgcctgag cagtggaagt cccacagaag 300  
ttacagctgc caggtcacgc atgaaggagg caccgtggag aagacagtgg cccctacaga 360  
atgttcatag gttctcaacc ctacaccccc cccacgggag actagagctg caggatccca 420  
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attctcattg tcaatca

497

<210> 2030

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (430)..(430)

<223> n=unknown

<400> 2030

agggcttgat gccttggggg gggaggagag acccctcccc tgggacctg cagctctagt 60  
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ctccacggtg ctcccttcat gcgtgacctg gcagctgtaa cttctgtggg acttccactg 180  
ctcaggcgtc aggtcacggt agctgctggc cgcgtacttg ttggtgcttt gtttgagggg 240  
tgtggtggtc tccactcccg ccttgacggg gctgctatct gccttccagg ccactgtcac 300  
ggctcccggg tagaagtcac ttatgagaca caccagtgtg gccttgttgg cttgaagctc 360  
ctcagaggag ggcgggaaca gagtgaccga gggggcagcc ttgggctgac gcaggacggt 420  
cagcttggtg cctccgcga acacccaagt gttattgttg ctgaccgaa ttccgagctt 480  
aacgtaacgc gtgcatgcg 499

<210> 2031

<211> 480

<212> DNA

<213> homo sapiens

<400> 2031

agagactccc gtgagcacga ggagcccacc acctctgaga tggccgagga gacctactcc 60  
cccaagatct tccggcccaa acacaccgc atctccgagc tgaaggctga agcagtgaag 120  
aaggaccgca gaaagaagct gaccagctcc aagtttgctg ggggagccga gaacactgcc 180

cacccccgga tcattctctgc acctgagatg agacaggagt ctgagcaggg cccctgccgc	240
agacacatgg aggcttcctt gcaggagctc aaagccagcc cacgcatggg gccccgtgct	300
gtgtacctgc ccaattgtga ccgcaaagga ttctacaaga gaaagcagtg caaaccttcc	360
cgtggccgca agcgtggcat ctgctgggtgc gtggacaagt acgggatgaa gtgccaggca	420
tggagtacgt tgacggggac tttcagtgcc acaccttcga cagcagcaac gttgagtgat	480

<210> 2032

<211> 434

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (11)..(126)

<223> n=unknown

<220>

<221> misc\_feature

<222> (400)..(400)

<223> n=unknown

<400> 2032

tggcgctcctg nngtggaggg aggcgctggc tggagtcggg gctggngtg gganggggtg	60
agggaaaggt tgggggggga cgcatactc aacgttgctg ctgtogaagg tgtggcactg	120
aaagtncccg tcaacgtact ccatgcctgg cagcttcata ccgtacttgt ccacgcacca	180
gcagatgcca cgcttgccggc cacgggaagg tttgcaactgc tttctcttgt agaatacctt	240
gcggtcacia ttgggcaggt acacagcacg gggcaccatg cgtgggctgg ctttgagctc	300
ctgcagggaa gcctccatgt gtctgcggca ggggccctgc tcagactcct gtctcatctc	360
aggtgcagag atgatccggg ggtgggcagt gttctcgggn tcccccgaca aacttggact	420
gggtcagctt cttt	434

<210> 2033

<211> 419

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (381)..(395)

<223> n=unknown

<400> 2033

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gccctgcagt caacagccag tctcttcgtg gtctcactct ctcttctgca tctctactct      60
taagagactc aggccaagaa acgtcttcta aatttcccca tcttctaaac ccaatccaaa     120
tggcgtcttg aagtccaatg tggcaaggaa aaacaggtct tcatcgaatc tactaattcc     180
acacctttta ttgacacaga aaatgttgag aatcccaaat ttgattgatt tgaagaacat     240
gtgagaggtt tgactagatg atggatgcca atattaaatc tgctggagtt tcatgtacaa     300
gatgaaggag aggcaacatc caaaatagtt aagacatgat ttccttgaat gtggctgagg     360
aatatggaca cttaatacta ncttgaaaat aagantagaa ataaaggatg gggattgtg     419
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<210> 2034

<211> 383

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (54)..(54)

<223> n=unknown

<220>

<221> misc\_feature

<222> (235)..(235)

<223> n=unknown



<400> 2034  
 aggtagtatt aagtgtccat atttctcaag ccacattcaa ggaaatcatg tctnaactat 60  
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 ccatcatcta gtcaaacctc tcacatgttc ttcaaatcaa tcaaatttgg gattctcaac 180  
 attttctgtg tcaataaaaag gtgtggaatt agtagattcg atgaagacct gttntcctt 240  
 gccacattgg acttcagac gccatttggg ttgggttag aagatgggga aatttagaag 300  
 acgtttcttg gcctgagtct cttaagagta gagatgcaga agagagagtg agaccacgaa 360  
 gagactggct gttgactgca ggg 383

<210> 2035

<211> 130

<212> DNA

<213> homo sapiens

<400> 2035  
 ggagtgattt gtctcattt gtcaaatgag gaatgagaca cttaccatca tctcagggtg 60  
 tttcttaaag acctaaatac aaatacaatt tgttaaaaac ttacagaggg cctattttga 120  
 atgctttaag 130

<210> 2036

<211> 285

<212> DNA

<213> homo sapiens

<400> 2036  
 ccgcacctgg ccttgaaatc ttaaaggag ataggtatgt aagtcctcta aagagtgtct 60  
 tgagactggg ctttggggtc tatcttgaag aaggggagtc ccaggagaca aatgtgtgca 120  
 gggctctcct ggggcctggg ggtggagagg aactaggagg gatggggaat gtcagtgtg 180  
 tgcagcctgg gcctcaggtg tcccctaccc tctgcacca tctgcacat ggagcaaadc 240  
 tgttggctcc tgagaccatc taaactatgg gacaggcgct gggga 285

<210> 2037

<211> 355

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (250)..(250)

<223> n=unknown

<400> 2037

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ccctgcagca ggggagggga gggcgtgggg aggtgggcgc ccctcccacc agcctgagac      60
cgctctctgc ctctctcttc tcctctcttc tccagcatct caccactttt ctctccttct      120
caatctcctg ctcccacctc cagcacttcg gggattcctc ttgtagcccc tgcttttctaa      180
gtccaccctg ggctggggaa aggaaagtaa gagaccacgg ggacaatttc aagcccccca      240
gtctccacan gggctagtcc ccctggctac tgcttggtt tctctctcct gggctaaggg      300
ctggggaagt ctgcggggct cagtcctggc cctgcagtat cccaacaacc tgctc          355
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<210> 2038

<211> 341

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (103)..(283)

<223> n=unknown

<400> 2038

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gcctgctgag gcagtgggtg tggggatcgg tctccaggca gcagggggca gcaggggtcaa      60
ggagaggcta actggccacg ggtggggcca gcaggcgggc agnaggaggc tttaaagcgc      120
ctaccctgcc tgcagggtgag cagtgggtgtg tgagagccag gcgtccctct gcctgcccac      180
tcagtggcaa caccggggag ctgttttgtc ctttgtggag cctcagcagt tcctctttca      240
```

gaactcactg ccaagagcct gaacaggagc caccatgcag tgcttcagtt tcattaagac 300  
catgatgatc ctcttcaatt gctcatcttt ctgtgtggtg c 341

<210> 2039

<211> 287

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (130)..(283)

<223> n=unknown

<400> 2039  
tccacccaga ggctctgctg atttcaactta tgcccaggct ataaaatgcc tttctctcat 60  
ccccagtag agcactggga tcaccactag gcctaggggg catatcaagg gtttaataga 120  
ctgggggaan gggcaacaga actgggtacc ttagaggctc tggaatgcnc cccacanatc 180  
cacccaacca atggnaggaa antcaggcat cgcctaaaag gagtgggtccc tatctanccc 240  
cnagtcnnga gcagaaaggg caggncatt cnggcccaag tgn catt 287

<210> 2040

<211> 439

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (223)..(223)

<223> n=unknown

<400> 2040  
gatccttaag acattgcccc aggcaatgcc cataatatcc taaagggtcc ttgaagttaa 60  
gtttcaagga tcaagtttca gttttctatt ttagaataga aacattactc ttgggttcaa 120

tccagtagct catctgcccc ccagtctcct taggcactga ttccttcattg ctgtgctttg	180
agaaaggaag cctaggtctga cgagaccatc ttgcctccct gtngatcgtc acagctacct	240
gtctctgggg atccctagta taacacattc agtggtcccc tttcagtctt actactttga	300
ccgcgatgat gtggctttga agaactttgc caaatatttc ttcaccaatc tcatgaggag	360
agggaacatg ctgagaaatg atgaagtgc gaaccaacga ggtggccgaa tcttccttca	420
ggatatcaag gtgaacaaa	439

<210> 2041

<211> 588

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (581)..(581)

<223> n=unknown

<400> 2041

caaagaactt aagtggatgt tttggtacaa cttatagaaa aggtaaagga aaccccaaca	60
tgcatgcact gccttggtga ccagggaagt caccacacgg ctatggggaa attagcccgga	120
ggcttagctt tcattatcac tgtctcccag ggtgtgcttg tcaaagagat attccgccaa	180
gccagattcg ggcgtccca tcttgcgcaa gttggtcacg tggtcaccca attctttgat	240
ggctttcacc tgctcattca ggtaatgtgt ctcaatgaag tcacacaact gcaaaacaat	300
ggggaagaca gttagtgggc agctttccca atccctaagg caaatgattt cctccattta	360
tttctgggg ttccaatact cacatggggg tcatttttgt cagtggccag tttgtgcagt	420
tccagtagtg actgattcac attttttccc aaatgtaatg cacactccat tgcattcagc	480
ccgctctccc agtcatcaca gtctggtttc tgaatgagaa taggttaatg catctctacc	540
aactaaacct agaagtcagc aagcccatca tctctaacca ncacgttt	588

<210> 2042

<211> 372

<212> DNA

<213> homo sapiens

<400> 2042

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ggaaatagcc ctgtccagga gttcactgtg cctgggagca agtctacagc taccatcagc      60
ggccttaaac ctggagttga ttataccatc actgtgtatg ctgtcatggc cgtggagaca     120
gccccgcaag cagcaagcca atttccatta attaccgaac agaaattgac aaaccatccc     180
agatgcaagt gaccgatgtt caggacaaca gcattagtgt caagtggctg ccttcaagtt     240
cccctgttac tggttacaga gtaaccaccc actcccaaaa atggaccagg accaacaaaa     300
actaaaactg caggtccaga tcaaacagaa atggctattg aaggttgag ccacagtgga     360
gtatgtggtt ag                                                           372
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<210> 2043

<211> 603

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (260)..(260)

<223> n=unknown

<400> 2043

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agtagtaaag ctttggcaca tacagtataa aaaataatca cccaccataa ttataccaaa      60
ttcctcttat caactgcata ctaagtgttt tcaatacaat tttttcogta taaaaaatact    120
gggaaaaaatt gataaataac aggtaagaga aagatatttc taggcaatta ctaggatcat     180
ttggaaaaaag tgagtactgt ggatatttaa aatatcacag taacaagatc atgcttggtc     240
ctacagtatt gcgggccagn cacttaagtg aaagcagaag tgtttggtg actttcctac      300
ttaaaatfff ggtcatatca tttcaaaaca tttgcatctt gggttggtgc atatgctttc     360
ctattgatcc caaaccaaat cttagaatca cttcatttaa aatactgagc ggtattgaat     420
acttcgaagc agaacaggca atgtgcagcc ctcatttatg agaaaacccc tcaggaaact     480
cccagggtga tgcttgagga agctgtgagt tgagctgaag ctggagaact tcctccagag     540
```

caaagggtta agaaagaaag aagactctaa gctgggtctg ctaacatcac tccagtttag 600  
atg 603

<210> 2044

<211> 522

<212> DNA

<213> homo sapiens

<400> 2044

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tagaggtagt ttccacttga ttttgcaaata gcccttacac ttactgttgt cctatgggag 120  
tcaagtgtgg agtaggttgg aagctagctc cctcctctc cctaccact gtcttcttca 180  
gggtcctgag atttacacgg ttggagtgtt atgcgggtcta gggaatgaga caggacctag 240  
gatatacttct ccaggatgtc aactgaccta aaatttgccc tcccatcccg ttttagagtta 300  
tttaggcttt gtaacgattg ggggataaaa agatgttcag tcatttttgt ttctacctcc 360  
cagatcggat ctgttgcaaa ctgagcctca ataagccttg tcgttgactt tagggactca 420  
atttctcccc aggggtggatg ggggaaatgg tgccttcaag acttcaccaa acatactaga 480  
agggcattgg ccattctatt gtggcaagct gagtagaaga tc 522

<210> 2045

<211> 568

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (499)..(499)

<223> n=unknown

<400> 2045

ggattgagca taaaccctc caaaaacaat ttttaaaaaa cccaaaaagt acacaaaaaa 60  
cccctgaata caaaatctaa ccttttcccc cagcctcctt aagggttaagt tactgacttt 120  
aaggcagcta ttaatagatt gccccacaat tccaggtttc aatttagcca atataggaca 180

tatcaccaag tgagctaatt cacagcaatg cacacaagac tcctcaaggt caggcacaga	240
gtgggggggtg gtggccaggg ggaattgagg gaggctctaa gctaggggca ctgcatggtg	300
ggacaggatg gcccttgag gactgaaccc tggggagaag acaaacagta ataataaaaa	360
caaataacaa gtactttaag aatggattgt atgacctata gtgacagatg acatcactaa	420
tactgaaagc ttcttatatt aataattttg gcaaaatgtc attttgtaat atagtatatg	480
ctttccaggt gtgggggtng taaagtaatg agggccaaaa tcctcctgcc ccaagactaa	540
tatcttctaa tgggtgcatta gcaaggaa	568

<210> 2046

<211> 272

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (196)..(268)

<223> n=unknown

<400> 2046	
ggcccatgt ttgtcaaagc aaccttcgcc gaggacagca agagcatagc caccgagatc	60
atcctggaga ttaagaaggc atttgaggaa agcctgagca ccctgaagtg gatggatgag	120
gaaacccgaa aatcagccaa ggaaaaggcc gatgccatct acaacatgat aggatacccc	180
aacttcatca tggatnccaa ggagctggac aaagtgttta atgactacac tgcagttcca	240
gacctctact ttgaaaatgc catgcggnntt tt	272

<210> 2047

<211> 469

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (344)..(449)

<223> n=unknown

<400> 2047

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ggatcatcct ggcccatcgg aggatgcgca cagtcaccaa ctacttcacg gtcaatctgg      60
cgctggctga cctctgcatg gctgccttca atgccgcctt caactttgtc tatgccagcc     120
acaacatctg gtactttggc cgtgccttct gctacttcca gaacctcttc cccatcacag     180
ccatgtttgt cagcatctac tccatgaccg ccattgctgc cgacaggtac atggccatcg     240
tccacccctt ccagcctcgg ctttcagctc ccagcaccaa ggcggttatt gctggcatct     300
ggctggtggc tctcgccctg gcctcccctc agtggttctat ccancgtcac catggaccag     360
ggtgccacca agtgcggtgt ggctggcccc aagacagcgg gggcnagacg ctccctcctgt     420
aacaactcgt ggtgatngcc ctcatctant tcttgccgct cgcggtgat      469
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<210> 2048

<211> 364

<212> DNA

<213> homo sapiens

<400> 2048

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gccaaagagc acgctgaatt agaagaactg aaacagggtc ttctgcagaa tgaaaggctc      60
ttcaatcttc ttgaagatga tgatgactgc caaattaaaa aacgttcagc ttctctaaac     120
tccaagccat cttctctacg aagagtgact attgcctctt taccagaaa tattggaaat     180
gcaggaatgg tggctgggat ggaaaataat gatcgattca gtagaaggtc aagcagttgg     240
cgtatfittg ggtcaaagca gagtgaacac cgtccctcat tacctcgatt tattagcacc     300
tattcctggg cagatgctga agaagaaaaa tgtgaactaa aaactaaagt gactcagagc     360
catc      364
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<210> 2049

<211> 608

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (537)..(537)

<223> n=unknown

<400> 2049

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aacaatatat aatatttctt ccttaaaaag ctcatc aaa gatcataggc agactttctt 60
cccattgtat tttagttggg gagataaagg caaaaagagg aaatgtaagc tatctttacag 120
tcattctgag aacctctggg ttcattgctat actttcccag ctaaaagtta ctaattttacg 180
aagtcagata ctgaaactta aaaatcaaga tccatatatt aggatgtcct gctgtcacac 240
tggtgggtggc ccattgtgtc ggagtctggg aaatggccac aagatatgtt ctagagacgt 300
ccatgagtc tcttgctgtg tgggagcggc atccacagac ttctggaata attggcctgt 360
gaggaagctc atcaaagctg caaacagtac aatgaatgca atagagagcc agagggcctt 420
attagccttt ctgatggagg acttgagatt tgttgcccag gaagctattg tgtcataaac 480
tgaagagaca tcccactttg atggattatt tttcttttca gaaagacttg gcttccntgt 540
cctttctact gtttcttctc cagatggctc tgagtcactt tagtttttagt tcacattttc 600
tcttcagc 608
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<210> 2050

<211> 536

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (500)..(500)

<223> n=unknown

<400> 2050

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caaagctgtc aaaacagtgc tcatggaact cttccaggat tcaggcaata ctgatattga 60
gggcatagat accaccaatg cctgctacgg tggtagtgcc tccctcttca atgctgccaa 120
```

ctggatggag tccagttcct gggatggctg ttatgccatg gtggtctgtg gagacattgc	180
cgtctatccc agtggtaatg ctcgteccac aggtggggcc ggagctgtgg ctatgctgat	240
tgggcccagg gccctctgg ccctggagcg agggctgagg ggaaccata tggagaatgt	300
gtatgacttc taaaaccaa atttggcctc ggagtaccca atagtggatg ggaagctttc	360
catccagtgc tacttgcggg ccttggatcg atgttacaca tcataccgta aaaaaatcca	420
gaatcagtgg aagcaagctg gcagcgctga ccttcaccct tgacgattta cagtacatga	480
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<210> 2051

<211> 452

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (437)..(437)

<223> n=unknown

<400> 2051	
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cacatttctg gagtccagtg attcaggaag aggtcttctc tccattgctc catcttgctc	120
tttcacaaag gacccttagt ccatagcacc ataagcccag gacagtgatt gcagcatgga	180
gaggaatgaa gggcccgtc gagatggctc ctactctac agggctgatg cttatggggc	240
tactatgtcg attcaaattc atttaccagc taagagtggg atcttaaaaa tatgattcac	300
ggggagaagc tctgctagca tacgtttccc aggaagcttt ccatggatct gcagaacacc	360
tttagacggg acgccgggca tactttcggc gatgctgctc gtccactcgc tccaggtacc	420
aagtacctgg ggaaaangct gtttgtgtca cc	452

<210> 2052

<211> 341

<212> DNA

<213> homo sapiens

<400> 2052  
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 gcagatacct caagcatctg caagacagcc gtgcacgcgg gagtcacag caacgagagt 120  
 gggggtgacg tggacgtgat gcccgtggat aaaaagaaga cctacgtggg ctgctcagg 180  
 aatggagttc agtctgaaag cctggggact cctcgggatg gaaaggcctt ccggatcttt 240  
 gctgtcaggc agtgaatttc cagcaccagg ggagaaaggc cgtcttcagg aaggcttcgg 300  
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<210> 2053

<211> 168

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (40)..(155)

<223> n=unknown

<400> 2053  
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 cagttcnant gnnacaattg naacaacgng gccctgtnc atgcaannca cagaaaacat 120  
 ttacnataaa actttgtaca caggaagtag ctnnnacatc atttgtca 168

<210> 2054

<211> 150

<212> DNA

<213> homo sapiens

<400> 2054  
 ggatctccta acggatatc catccctcag ctcatctttc ccaggacat gtcagggtga 60  
 tgatggccat ggtaacatgg ccatggggcc gcacgggctg gactaccttc acggtcctc 120  
 actgcaatgg catacgttca tccctgtttt 150

<210> 2055  
<211> 527  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (487)..(513)  
<223> n=unknown

<400> 2055  
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gcttgcattt gtgtggggat aacgtgaag ggtgtctga tcccaggact cagggcctct 180  
tcctcctggg gggcacacag agccccctcc ctctcctc ggggaacagc cccggaatgg 240  
ggccttcctt tgggtgctct aggtcctgcc ctccagccca tgtcccaga aggtggtctt 300  
tccttgaggg ggtcagagac tatagcccag ggctctgggg tctgtgtggg aacatctgcc 360  
tcagctcggc acgcattct cctggcctgt ttcttcact gggaactggg accctaacc 420  
ctcaaagggg gatccctgag cgaggggtcat gggcagggag ctggtatgga cgggtgtgtg 480  
cgggganggg tgactggcgg gggctggggg gtnagggggg ggggtgc 527

<210> 2056  
<211> 374  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (47)..(47)  
<223> n=unknown

<220>

<221> misc\_feature

<222> (345)..(373)

<223> n=unknown

<400> 2056

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cgcacttttt tgaagctcat aaatactcat gtgactgtaa atttagaaat gttaattaat     120
tgggcctaat gtttgatctg gaaaagtact tagcagtcac caggaatttg ccttgaactg     180
actcgaacca caaatcagaa ccgtatttcc acaatttaat ttttccatga gacaatcata     240
aaaactctgc tgggattata ttactaaaac ctttatatcc cattgcattg gatatgtttg     300
taggtgagta atgttaaatt taaaaaaaaa aattaataaa gcatntgttt aggacctctg     360
tatgcttgat aang                                                         374
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<210> 2057

<211> 350

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (274)..(296)

<223> n=unknown

<400> 2057

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ctctgggaag tggactgtgg tttttccaga ggaactcagt taagaaatcg agagtggatt      60
agactcccag ttccaccaa cctatgagcc ttccactgtg gatggggggc gtgatcctga     120
tggtcacatt gctttaaccc agcagggtt cgccagggg ctttcactt gaggatagca     180
gcttcactag gctggccggc cagctccaca tctgactggg ttcttacttc tcagccagta     240
cctacccta ttgcggtcct ccagctcatc tttnnnnnnn nnnnnnnnnn nnnnnntggc     300
ttaattatg ctaatgttgg aggagaatga ataaataaag tgaatctttg                 350
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<210> 2058  
 <211> 173  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (133)..(171)  
 <223> n=unknown

<400> 2058  
 aaagatgagc tggaggaccg caataggggt aggtactggc tgagaagtaa gaacccagtc 60  
 agatgtggag ctggccggcc agcctagtga agctgctatc ctcaagtgga aagcccctgg 120  
 ccgaagccct gcnggggttaa agcaaagnga ccaacaggaa cacggccccc nac 173

<210> 2059  
 <211> 505  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (397)..(397)  
 <223> n=unknown

<400> 2059  
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 caacgtgaag atggccctgg atgtggagat tgccacctac cggaagctgc tggagggaga 120  
 ggagagccgg atcaatctcc ccatccagac ctactctgcc ctcaacttcc gagaaaccag 180  
 ccctgagcaa aggggttctg aggtccatac caagaagacg gtgatgatca agaccatcga 240  
 gacacgggat ggggagggtcg tcagtgaggc cacacagcag cagcatgaag tgctctaaag 300  
 acagagaccc tctgccacca gagaccgtcc tcaccctgt cctcactgct ccctgaagcc 360

agcctttcttc catcccagga caccacaccc agcctcnttc ctccccctcac agcctctgac 420  
 ccctcctcac tggccatccc tcgtggtccc caacagcgac atagcccatc cctgcctggt 480  
 cacagggcat gccccggcaa cttct 505

<210> 2060

<211> 437

<212> DNA

<213> homo sapiens

<400> 2060

cctgcagcag gggaggggag ggcgtgggga ggtgggcgcc cctcccacca gcctgagacc 60  
 gctctctgcc tctctcctct cctctcttct ccagcatctc acccactttc tctccttctc 120  
 aatctcctgc tcccacctcc agcaccttcg gggattccct cttgtagccc ctgctttcta 180  
 agtccaccct gggctgggga aaggaaagta agagaccacg gggacaattt caagcccccc 240  
 agtctccaca ggggctagtc cccctggcta cctgcctggc tttctctctc ctgggctagg 300  
 ggctggggag gtctgcgggg ctcagtcctg gccctgcagt atcccaacac cctgctctgg 360  
 ggctgtctcc agagccaaag gctagtgcct gaggtcacag aggtgggagg gacagggcca 420  
 ccgctcccgc ctgggct 437

<210> 2061

<211> 465

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (440)..(450)

<223> n=unknown

<400> 2061

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 tacgaggggt atgccctccc ccatgccatc ctgcgtctgg acctggctgg ccgggacctg 120  
 actgactacc tcatgaagat cctcaccgag cgcggctaca gcttcaccac cacggccgag 180

cgggaaatcg tgcgtgacat taaggagaag ctgtgctacg tcgccctgga cttcgagcaa	240
gagatggcca cggtgcttc cagctcctcc ctggagaaga gctacgagct gcctgacggc	300
caggtcatca ccattggcaa tgagcgggtc cgctgccctg aggcctcttc cagccttct	360
tcctgggcat ggagtcctgt ggcattccacg aaactacctt caaactccat catgaagtgt	420
gacgtgggac atccgcaaan aactgtacan caacacagtg ctgtc	465

<210> 2062

<211> 304

<212> DNA

<213> homo sapiens

<400> 2062

agcagtcggt tggagcgagc atcccccaaa gttcacaatg tggccgagga ctttgattgc	60
acattgttgt tttttaata gtcattccaa atatgagatg cgttgttaca ggaagtcct	120
tgccatccta aaagccaccc cacttctctc taaggagaat ggcccagtc tctcccaagt	180
ccacacaggg gaggtgatag cattgctttc gtgtaaatta tgtaatgcaa aattttttta	240
atcttcgcct taatactttt ttattttgtt ttattttgaa tgatgagcct tcgtgcccc	300
cctt	304

<210> 2063

<211> 514

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (178)..(178)

<223> n=unknown

<220>

<221> misc\_feature



<222> (332) .. (332)

<223> n=unknown

<400> 2063

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aaccgccgaga tgctgaacaa agtgctgtcc cggctggggg tcgccggcca gtggcgcttc 120
gtggacgtgc tggggctgga agaggagtct ctgggctcgg tgccagcgcc tgccctgcncg 180
ctgctgtctgc tgtttccct caccggcccag catgagaact tcaggaaaaa gcagattgaa 240
gagctgaagg gacaagaagt tagtcctaaa gtgtacttca tgaagcagac cattgggaat 300
tcctgtggca caatcggact tattcacgca gngccaataa tcaagacaaa ctgggatttg 360
aggatggatc agttctgaaa cagtttcttt ctgaaacaga gaaaatgtcc cctgaagaca 420
gagcaaaatg ctttgaaaag aatgaggcca tacaggcagc cccattgatg ccgtggcaca 480
ggaagggcca atgtcgggta gatgacaagg tgaa 514
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<210> 2064

<211> 614

<212> DNA

<213> homo sapiens

<400> 2064

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aacaattaaa ccacatccaa ggtcttaact tacagacaga aaccaaagta gccatttaaa 60
gcgtagata tcggatacaa gacatacact ggggagaatg cttcaccatc tgaagctcac 120
accacaatgg ccagtgagg agctgtgcac tctgcttgtg cttaagtgcc tgggtgtggc 180
tgaggggaag gcgtgtctgc agaacagaag aacagctgtg tttcacaagt actgaagcat 240
tttagactgc atgggggggt atatattttc atgttgaagg gaagagggga aatcagcaaa 300
gtccctccca cagagcatta ggctgccttg cagagagcca cggcagagaa gcggacttct 360
ccttgctcac gctcggtgaa ttctctgcag accttggcag cgtccttcag cagggtgtcc 420
tctgaactgg cgccatgggt caccggaaaa ggcatcgtc catcaagtcc atagaggtgg 480
ccatccacgt tgtaaacag aataaaatgg aaattcacct tgtcatctac ccgacattgg 540
gccttctgt ggccacggca tcatgggctg cctgtatggc ctcattcttt tcaaagcatt 600
tttgcctgt ctcc 614
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<210> 2065  
 <211> 362  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (174)..(351)  
 <223> n=unknown

<400> 2065  
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 gccagggcct gggcatcgag atcatcgga cctccagct ggtgctatgc gtgctggcta 120  
 ctaccgaccg gagggccgt gaccttggtg gctcagcccc ccttgccatc ggcntctctg 180  
 tagcccttgg acacctctg gctattgact aactggctg tnggattaac cctgctcggg 240  
 cctttggctc cgcggtgatc anacacaact tcagcaacca ctggattttc tgggtggggg 300  
 cattcatcgg ggggagccct ggctgtactc atctacgact tcctcctggg nccacgcagc 360  
 ag 362

<210> 2066  
 <211> 487  
 <212> DNA  
 <213> homo sapiens

<400> 2066  
 tgaaattcca actccaaaga gacatatatg cagagcagac agatgcaggg ccttggtgtg 60  
 cagcagccta gaaccaggca gggggtgggt gtgacccctc tcccctccat cacaactctc 120  
 cccactcctg gcccctggcc attgcccagg cagaaactga gaagctggaa atgagaggaa 180  
 tcagcctcgt ggtccaggga gtagccagag acagggcctt ggttactagg cctggccaaa 240  
 tcattgtcta gctgaaaccg tgggcctcag tttctttatc tgtaaataga gctagaagtt 300  
 cctgctaggg aatggagaag agagtgtgca gatgtgatgc actggtgata gttaagggct 360  
 tctggttgtc cctctgcttc taaatacctg cgtaattgtg tctcttgggt tctgttgcca 420

tcatggctaa gtgcacagtg gtggagtgt ctggcctggt ggaattgaaa ggacttatgt 480  
agataga 487

<210> 2067

<211> 539

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (283)..(311)

<223> n=unknown

<220>

<221> misc\_feature

<222> (479)..(516)

<223> n=unknown

<400> 2067

caacaacttc agcaagatgg cggaggaaaa gctgacctg aaaatggaac aaattaagga 60  
aaaccgtgag gctaattctag ctgctattat tgaacgtctg caggaaaagg agaggcatgc 120  
tgccggaggtg cgcaggaaca aggaactcca ggttgaactg tctggctgaa gcaagggagg 180  
gtctggcacg cccaccaat agtaaattccc cctgcctata ttataatgga tcatgcgata 240  
tcaggatggg gaatgtatga catggtttaa aaagaactca tttnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn naattaaaaa aaatcaatgc ggtctctttg cagaatgttt tgcttgatgt 360  
ttaaaaaata ccttgatct tattttgtaa atacttacat ttttgtaaa aaatacaagt 420  
attgcattat gcaagttatt tcataatctt acatgtcctg taacaggctt ttgatgttng 480  
tgtcttcac tcaaatggaa tttgctaggn ctgtnntttt gaagctcccc atgtetaac 539

<210> 2068

<211> 242

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (16)..(201)

<223> n=unknown

<400> 2068

ctgatatcgc atgatnnatt ataatatang cagggngntt tactattngt gnngngtncc	60
atgacctcc cttgcttcag ccatacagtt naacctggng ntccttggtc ctgencacct	120
ccgcagcatg cctctccttt tcctnnagac gttcaataat agcagtagat tagcctcacg	180
gtntgcctta agtgngccat nttcaggatc agcttttcct ccgccatctt gctgaagttg	240
tt	242

<210> 2069

<211> 390

<212> DNA

<213> homo sapiens

<400> 2069

gcccagctc caggcagggt gggctggatc actagcgtec tggatctctc tcagactggg	60
cagccccggg tcattgaaat gccccggatg acttggttag tgcagaggaa ttgatggaaa	120
ccaccggggt gagagggagg tccccatctc agccagccac atccacaagg tgtgtgtaag	180
ggtgcaggcg ccggccgggt aggccaaggc tctactgtct gttgcccctc caggagaact	240
tccaaggagc tttccccaga catggccaac aagggtcctt cctatggcat gagccgcgaa	300
gtgcagtcca aaatcgagaa gaagtatgac gaggagctgg aggagcggct ggtggagtgg	360
atcatagtgc agtgtggccc tgatgtgggc	390

<210> 2070

<211> 352

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (343)..(343)

<223> n=unknown

<400> 2070

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caaggaggac agtggacttg gccacatcc aggctacccc cagcccgtt ctcctctgct 120

tagcccaggg aggagacagt agaggtgatg ggggcagccg ggaggaggag gccaaaggcag 180

tgatgctttc gggtaagaag ttgggctgag gctgggggca caggaggag ctgcccaggt 240

gcagttacca ttgctcagt acagagcctc aaagcttggc caagggtga aggtaccaca 300

cgggtgtggg tgaggcaggc taagcgggat ggctgcagcc aangagctgg gg 352

<210> 2071

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (52)..(53)

<223> n=unknown

<220>

<221> misc\_feature

<222> (464)..(464)

<223> n=unknown

<400> 2071

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tccagatggt gtctgcccag gagcgcctga cacgcacctt cacacgcagc agccacacct	180
acacccgcac ggagcgcacg gagatcagca agacgcgggg cggggagaca aagcgcgagg	240
tgcgggtgga ggagtccacc caggtcggcg gggaccctt cctgtgtgtg tttggggact	300
tcctggggcg ggagcgcctg ggatccttcg gcagcatcac ccggcagcag gagggtgagg	360
ccagctctca ggacatgact gcacaggtga ccagcccatc gggaaagggtg gaagccgcag	420
agatcgtcga gggcgaggac agcgcctaca gcgtgcgctt tgnccccag gaaaatgggg	480
ccccatacgg tcgctgtca	499

<210> 2072

<211> 465

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (3)..(179)

<223> n=unknown

<220>

<221> misc\_feature

<222> (305)..(444)

<223> n=unknown

<400> 2072	
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tgtnnnaaag gcccnccatg gggcagagcc gtgcaaccat tttaaaaaan cncacagtga	120
gagagactca ggccccctgg gagcctggct tgggtggagt gcacatcgct caggccggnc	180
catgtgccag gccactcctg ctggttcggg ggctgttttc ttctctgatt gtgctttcct	240
ttccaagtcc ttaaaactct ggggtttag ccaccagaga gaccagacca agtcctcggg	300
gtcangaggg tatctggccg gcggtgcagt ttgagggtga cctcacacac agacaccan	360
aacacaatgc tccccactg ctcagccccg cnagaaactc agggcttccc tggcctcgca	420
gccctcgcca gcccttgtg tccnagcttc tgccccag cctgg	465

<210> 2073  
 <211> 482  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (137)..(137)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (394)..(394)  
 <223> n=unknown

<400> 2073  
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 tcccctgatc agcgtancag ttgttgccctg tctgaacctc tgccagtcct ggagactggt 180  
 gccctgagct ccaaccagcg ggccctcatcc tacacctca ccaccgcaac ttctcaccgc 240  
 agcaagaagc agctcccaga gagaaagaac gttcccacct gcctagccat gggagaggac 300  
 gctgcacagg ccgaaaagtt ccagcaccct gggctctgaca tgcggcagga aaagccctcg 360  
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 gaggccatcc gggacaactc acaggtgaac gcagtcacgg tgctcacgct cctggacaag 480  
 tg 482

<210> 2074  
 <211> 185  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature

<222> (14)..(173)

<223> n=unknown

<400> 2074

cgcaacaaac caanatttna ngngacagta tngcaaaaat aaggacatag ctgaataggg 60  
taagccaaca aaatgtttgt taancctatc ccttttatta aagacaaagc acagtttggt 120  
aanattgtct tggattaact ctatttgtaa ggntacttat agtggntcat acnaaaggca 180  
gggga 185

<210> 2075

<211> 475

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (25)..(88)

<223> n=unknown

<400> 2075

gagaaactag atcagcagat ccannnnngn cgnttcaccc acgtgaacac caccaccagc 60  
gccacacata gcacagccac catcctcnac cctcgagata cgtactgcag gggagaccag 120  
ctgcacatcc tgctggaggt gagggaccac ttgggacgca ggaagcaata tggcggggat 180  
ttcctgaggg ccaggatgtc ttccccagcg ctgatggcag gtgcttcagg aaaggtgact 240  
gacttcaaca acggcaccta cctggtcagc ttcactctgt tctgggaggg ccaggtctct 300  
ctgtctctgc tgctcatcca cccagtgaa ggggtgtcag ctctctggag tgcaaggaac 360  
caaggctatg acagggtgat cttcactggc cagtttgtca atggcacttc cccaagtcca 420  
ctctgaatgt gggcctgac ttaaaacacc aaatgctgaa ttgtgccagt acctg 475



<210> 2076  
<211> 293  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (54)..(283)  
<223> n=unknown

<400> 2076  
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atgatactca nactgagatc ctggaaaatg tcctttatga tgagatattg aatgtaacca 120  
tgaaagtcac taaatctttc tgcatcattg tacatctccc tgatgttntc tgtnttgatg 180  
ataaccatan tgtctgggnt tctcagaaga agatnctgaa tggctttgtg gacgttgagg 240  
gcccttcgga tanaaacatc aatgggnaag ggtctgaaat gcntggccca ggg 293

<210> 2077  
<211> 520  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (47)..(47)  
<223> n=unknown

<220>  
<221> misc\_feature  
<222> (305)..(305)  
<223> n=unknown

<220>

<221> misc\_feature

<222> (430)..(491)

<223> n=unknown

<400> 2077

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gaatggtgtt atctaccaga ctttctgtga catgacctct gggggtngcg gctggaccct      60
ggtggccagc gtgcacgaga atgacatgcg tgggaagtgc acggtgggcg atcgctggtc      120
cagtcagcag ggcagcaaag cagtctaccc agagggggac ggcaactggg ccaactacaa      180
cacctttgga tctgcagagg cggccacgag cgatgactac aagaaccctg gctactacga      240
catccaggcc aaggacctgg gcatctggca cgtgcccaat aagtccccca tgcagcactg      300
gaganacagc tccctgctga ggtaccgcac ggacactggc ttcctccaga cactgggaca      360
taatctgttt ggcactctacc agaaatatcc agtgaaatat ggagaaggaa agtggttgac      420
tgacaacggn ccggtgatcc ctgtggtcta tgnnttttggg gacgccccaga aaacagcatc      480
ttantactca ncctatggcc agcgggaatt cactgcgggg      520
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<210> 2078

<211> 250

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (248)..(248)

<223> n=unknown

<400> 2078

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tccctcccac aaaactctca acgatagaat agaagcacag ctgcctcagt tatctcacgg      120
ctgctgctgt aaccaacatg agttccatat ccactccaat caaaaccaga aaaatctcca      180
cactgctggg gactggcctc tggaaagtat cctcctccac caatgcagtg gtgctcagtg      240
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ttacatcngg

250

<210> 2079

<211> 525

<212> DNA

<213> homo sapiens

<400> 2079

tcattcttctc accatgaggc tccctgctca gctcctgggg ctgctaatagc tctggataacc	60
tggatccagt ggagatattg tgatgaccca gactccagtc tctctgtccg tcacccctgg	120
ccagccggcc tccatctcct gcaagtctag tcagagcctc ctacatagtg atggaaagac	180
ctatctgtat tggtaacttg agaggccagg ccagcctcca cagctcctaa tctatgaggt	240
gtccaaacgg ttctctggag tgccagatag gttcagtggc agcgggtcag ggacagactt	300
cacactaaaa atcagtcgag tggaggctga ggatgttggc attttttact gcacgcaaag	360
tatacaactt cctctcactt tcggcggagg gaccaaggtg gagatcagac gaactgtggc	420
tgcaccatct gtcttcatct tcccgccatc tgatgagcag ttgaaatctg gaactgcctc	480
tgttgtgtgc ctgctgaata acttctatcc cagagaggcc aaagt	525

<210> 2080

<211> 149

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (42)..(142)

<223> n=unknown

<400> 2080

aacattagca taattaaagc caaggaggag gaggggggtg angtgaaana tgagctggag	60
gaccgcaata ngggtangtc cccnntngaa aaaagggnan angncnaaag attggaaggg	120
gtnaagctng aacttaagaa cnagttggg	149

<210> 2081

<211> 438

<212> DNA

<213> homo sapiens

<400> 2081

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gcaacttcct ggattatcct cgccaaggac tttgcaatat atttttccgc cttttctgga      60
aggatttcgc tgcttcccgga agtcttggac gagcgcctcta gctctgtggg aaggttttgg    120
gctctctggc tcggattttg caatttctcc ctggggactg ccgtggagcc gcatccactg      180
tggattataa ttgcaacatg acgctggaag agctcgtggc gtgcgacaac gcggcgcaga      240
agtaagtagc cggggctgcc gccgcctgag gtcagccggg acgggatggg tcggggttggg      300
ccgggccggg agcggaaactg agcaccgggt ggtccgcccg tactgatcc ctctttctctg     360
gtctcaggat gcagacgggtg accgccgcgg tggaggagct tttggtggcc gctcagcgcc      420
aggatcgctt cacagtgg                                     438
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<210> 2082

<211> 230

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (38)..(219)

<223> n=unknown

<400> 2082

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gtacagcagc ctgaaagtaa gttccttcag ggacgtgnag actggtgcct ggcaggtggg      60
ngggatgtga acatcttttt gaagaaagag anntatcacc ccnaactttc ctntctctct      120
ttctcttaca gaagggcaag aaatgcagca agaccaagaa atcccccgaa ncagtcangt      180
ttacttacgc tggatgtttg agtgtgaaga aataccggnc ccagtatgcg                    230
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<210> 2083

<211> 445  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (295)..(364)  
<223> n=unknown

<400> 2083  
aaaatctttt cactgaatat aaaattaaaa tcatttacia attattccag tattacattt 60  
ccctccctc cccaaaagct acattttgat aaataaaaca ttcagtctta aaacacctga 120  
tttctgtttg cagtttagag tgcagatagc tgcctctcac agacactcat ggagtgtccc 180  
ccttcaggaa gggatggaat gccctcccat ttacttttgt caaaggacga ataaaagctt 240  
taaactgtcc aactaatctt attatctctt ttacgactgt agaaccctaa aaggnnnaaa 300  
gcctagagna aatatgctta gcaaataatt taciaaacagn aaacaggaag tcatcaactc 360  
cacnagctcc aaaatgaagc agtaacatgt gctccaatac tatgaagcaa agtattctcc 420  
aatcgtgggc tgcattagtg tccat 445

<210> 2084  
<211> 559  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (218)..(483)  
<223> n=unknown

<400> 2084  
gccacaccct gcacccaggc ccctgaaccc ctgagacttc atgacagccc tgggtgtcca 60  
cccagaaaaa catgcactgt gttttagct catatccgtg ggtctgcagg tgagtcacac 120

```

ccttatcttc aagttaaaaa caagagcagc aaatataata ataagaagaa gccctgcagg 180
tattatctta aatctcaaag caatcctatt gaacagannn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnncagttg attccagtc ataggcctgt gccagtcatt 360
gttatgagcc ttttgcaact actgtcttca caattcccct aagagatggg gaaaaccaag 420
gtgcacagct gggatccaaa cccaggcctg tctgacagca aagcactgtg tctggacttt 480
gngtaaggt gcctgggggt caaatgccag gtctactcag tctctcctta cttgtgtgtc 540
gacctggaca agtcacctg 559

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<210> 2085

<211> 498

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (192)..(192)

<223> n=unknown

<220>

<221> misc\_feature

<222> (496)..(496)

<223> n=unknown

<400> 2085

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gacagatgtc cacgctgccc gcgactcctg agcacactcc catggcgggg gccgtgctct 60
gggtgggtgt gcggcagtg cgggtcaggg ttaggggaag gggactgaga ggggaccttg 120
gtgagcttgc atttgtgtgg ggatacacgt gaaggggtgt ctgatcccag gactcagggc 180
ctcttctctc tngggggcac acagagcccc ttcttctctc cctcggggaa cagccccgga 240
atggggcctt cccttggtgc ctctaggtcc tgcctccag cccatgtccc cagaaggtgg 300
tctttccttg gaggggtcag agactatagc ccagggctct ggggtcactg tgggaacatc 360
tgctcagct cggcacgcac ttctcctggc ctgtttcttc cactgggaac tgggacctta 420

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acccctcaaa gggggatccc tgagcgaggg tcatgggcag ggagctggta tggacgggtg 480  
 tgtgcgggga ggggtnac 498

<210> 2086

<211> 426

<212> DNA

<213> homo sapiens

<400> 2086

gtcgtcaacg tggagatcgt ggaggagccc gtgagttatg tcagcgggga gaagccggag 60  
 gagttttccg tcccattcaa agtggaggag gtcgaagatg tgtcgccagg cccctggggg 120  
 ttggttaagg aggaggaagg ttatggagaa agcgatgtca cattctcagt taatcagcat 180  
 cgaaggacca agcagcccca ggagaacacg actcacgtgg aagaagtgac agaggcaggt 240  
 gattcagagg gcgagcagag ttattttgtg tccactccag atgaacaccc cggggggcac 300  
 gacagagatg acggctcggt gtacgggcag atccacatcg aggaggaatc caccatcagg 360  
 tactcttggc aggatgaaat cgtgcagggg actcgaagga ggacacagaa ggacggtgca 420  
 gtgggc 426

<210> 2087

<211> 481

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (268)..(342)

<223> n=unknown

<220>

<221> misc\_feature

<222> (452)..(452)

<223> n=unknown

<400> 2087  
cattgtaggg aacaggagtt tagcaaaatc agcttcttag atgatgtcat tctaaatata 60  
catcttaaac aaacaatatc aaaaccacca gtaggaaact gaaaaaact cagtgagtag 120  
tgttttgtct cagtaacaat aaatacaaaa agactgggtg tggtccggcc ccatccaacc 180  
acgaagttga tttctcttgt gtgcagagtg actgatttta aaggacatgg agcttggtcac 240  
aatgtcacaa tgtcacagtg tgaagggnac actcactccc gcgtgattca catttagcaa 300  
ccaacaatag ctcatgagtc catacttgta aatacttttg gnagaatact tcttgaaact 360  
tgcagatgat aattaagatc caagatattt cccaaagtaa atagaagtgg gtcataatat 420  
taattacctg ttcacatcag cttccattta cnagtcatga ggccagacac tgacatcaaa 480  
c 481

<210> 2088

<211> 368

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(71)

<223> n=unknown

<400> 2088  
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ccgatctcta nttttcgctg cggcactccg agggcacctc cggttctccc ccatcctccg 120  
ggagtgtctg ggcgctcagt ccgctctgat cccgccgaaa ccacctgcgg ttggcaggca 180  
ggagactagg cgtctgccgg ggagggcagg gacccgctaa gctgatctcc tgtacagtag 240  
tgctacttaa aatatgctgg ggaccatcac catcacagtt ggacagagag actctgaaga 300  
tgtgaacgaa agagactccg ataaagagat ggctataagt cagcggttgt tcacgacatc 360  
acagatga 368

<210> 2089



<211> 265  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (29)..(29)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (258)..(258)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (359)..(359)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (518)..(518)  
 <223> n=unknown

<400> 2089  
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 gtgtgctccc ctgattcctc gtctcctcct cctcttttcc ctttctgttt ctttccagaa 180  
 agctttttta agccagtgtt ggtaaaaagc ttcttttagtg gacttccctg caccttcatt 240  
 ctctcctgtg atgacagnat ttcca 265

<210> 2090  
<211> 452  
<212> DNA  
<213> homo sapiens

<400> 2090  
tgaaggctaa aatTTTggcc agaacattac aaaagTTTta aatcgtagac gtaactcccc 60  
ctgaaataaa gttaggtagt aaaatcctta atgaaaccag tggatgtgct taacgtaagg 120  
ttagtaaagc atacaaagaa tctagtgtgc tcagggttg gtacaatgag ctgaattaga 180  
tggccttatg aaactcttTc taacctctta cccaacctgt ttctccttggt ttaaaattat 240  
acttgaaggc ccagaacact catggcacat ttgtttaata ttgcttatag ttagtttaag 300  
gtaattttgc ttctacagta ttttggaagg tctgaaaact tgcacagggt catctttgta 360  
attatataac cccaaactaa gatgcacaat gtctccttca ggtgatcaca cacagtggac 420  
gagtatgtgc aaacatggac ataatagtTc ac 452

<210> 2091  
<211> 531  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (359)..(359)  
<223> n=unknown

<220>  
<221> misc\_feature  
<222> (518)..(518)  
<223> n=unknown

<400> 2091  
tttatgattt acacagaaaa tgatgggctg gggttataga acaataaacc aaccattaca 60

tttagacctg ggcttttgaa aaacttgcac tccattttta caattcgtat gtatctaaca	120
aatacataaa tccagatcac aaataatctt aagagttaaa caattaagaa acacaaagaa	180
taccacatag atctaccttt aaatatcagc attcatatta taagaaataa gaaaatgtta	240
aaaaaataaa attagggttaa gtcacaacat aaaatagaga aataagataa atgctatttt	300
attaatattc atacttattt ctaatttacc ttcatatagt cttaactttt tcaaaaggnt	360
ccaagatatg atcaaataat attttagtat ctgaacttgc cagccttagc ttataaccaga	420
gcttggtacc atgaaaatcc taaaacctca attttctttt tcttttttaa aatttaaggc	480
caactcttat tccacttttc ttcttcacag ccagctgntt ataggtagggt a	531

<210> 2092

<211> 422

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (140)..(140)

<223> n=unknown

<400> 2092

ggggacggtt gctgagcggg cctgggacag cgggtcgagg cacctccggc ctgcgcgtgt	60
ctaatecgtc tgctgggtcc cgaaagagct aagccgagcc tgcgccggac ggggtgggctg	120
gactgagaga attctctgan ctggtgacag gtgccacagg catggggatc tcaccagaaa	180
ggaaccgacg gagctagggg ccagcgagat ggcggacgag gccttagctg ggctggatga	240
gggagccctt cggaagctgc tggaggtcac agcagatctg gcagagcggc ggcgcatccg	300
ctcagccatc cgggaactgc agcggcagga gctggagcgc gaggaggagg ccctggcatc	360
caagcgtttc cgtgccgagc ggcaggacaa caaggagaac tggctgcact ctcagcagcg	420
gg	422

<210> 2093

<211> 539

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (482)..(482)

<223> n=unknown

<400> 2093

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gaggggtgtcg caacagacag ggcagcgggtg ggcggacgca caggcaggag acggtgccccg      60
gagagtggggg gcggcagctt gccactggct ggccatgcgg gcgggcaggc tagacattct      120
tgccgcgcag gcgcagttcg tggcgtcgca ggtggttgta gagcgactgc acataggtga      180
agacacactt ggggtcaggc ttcttgccca tgatcatcat gtcgtccacc tccaccaggg      240
gcacacagtc caccagcatc cgtggggccc cgagcagggg ttaggacttt ttggttttta      300
ccagcccctt ctggaccaga cagcggtaga attcctggat gtacgtgtac acgcacttcc      360
agtcaggctc tcgaagccgc accatgtcct ctgtatccag gagctgcggg cagtccgcgt      420
gggtctccgc agatgagaag gccacctcga agttctggcg tcggttctga gggctaagct      480
gnccatagtc gaaggcctca gggaagaagt tgtgcaccag gggacagaag gccatccca      539
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<210> 2094

<211> 325

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (190)..(271)

<223> n=unknown

<400> 2094

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tgtgtttgac ttcagcggca ctgggccgga ggtgtttggt aatctcaacg caccgcgggc      60
cgtaaccctg tccgccctca tctactgcct gcgctgtctg gtgggccgcg acatcccact      120
caaccagggc tgcttggcgc cagtgcgcgt ggtcattccc cgaggctcca tcctggaccc      180
```

gtcgcccgan gcggcggtgg tgggcggcaa cgtgctcacg tcgcagcgcg tgggtggatgt	240
catcctgggg gcctttnggg cctgcncgcg ntcccagggg tgcataaaca acgtgaccct	300
gggcaacgcc acatgggcta ctaac	325

<210> 2095

<211> 234

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (84)..(90)

<223> n=unknown

<400> 2095	
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catttcattg tgtacatttc acannattnn aaaaccccag cctggttttc atgattaaag	120
ccgtggggaa aggacaatgt ttccaggag caacgactcg caagcacacc cctggggctg	180
tgcggtggcc gtcggcgggg ccagcttcaa agtccaaccc acaagggcac gggt	234

<210> 2096

<211> 443

<212> DNA

<213> homo sapiens

<400> 2096	
cccaagcgcc ttctccgcac caggaagcc ccaccacca gaagccaaga tgtccagcaa	60
gcgggcaaaa gccaaagacca ccaagaagcg gccacagcg gccacatcca atgtcttcgc	120
aatgtttgac cagtcccaga tccaggagtt taaggaggct ttcaacatga ttgaccagaa	180
ccgtgatggc ttcatagaaa ggaggacctg cacgacatgc tggcctcgct ggggaagaac	240
cccacagacg aatacctgga gggcatgatg agcgaggccc cgggggcat caacttcacc	300
atgttcctca ccatgtttgg ggagaagctg aacggcagga ccccgaggat gtgattcgca	360
acgctttgcc tgcttcgacg aggaagcctc aggtttcatc catgaggacc actccgggag	420

ctgctcacca ccatgggtga cgg

443

<210> 2097

<211> 444

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (444)..(444)

<223> n=unknown

<400> 2097

gatgtccacg ctgcccgcga ctcttgagca cactcccatg gcgggtggcg tgctctgggt	60
gggtgtgcgg cagtggccgg tcaggggtga gggaagggga ctgagagggg accttggtga	120
gcttgcatth gtgtggggat acacgtgaag gggtgtctga tcccaggact cagggcctct	180
tcctctctggg gggcacacag agccccctcc ctctctctc ggggaacagc cccggaatgg	240
ggccttcctt tgggtgcctct aggtcctgcc ctccagccca tgtccccaga aggtgggtctt	300
tccttgaggg ggtcagagac tatagcccag ggctctgggg tcaactgtggg aacatctgcc	360
tcagctcggc acgcacttct cctggcctgt ttcttccact gggaactggg accctaacc	420
ctcaaagggg gatccctgag cgan	444

<210> 2098

<211> 371

<212> DNA

<213> homo sapiens

<400> 2098

gcttggtcgt ctcaactggtg tgagctccag catccccctt gctcgaaatg gaccccaact	60
gctcttgccg cactgggtggc tcctgcacgt gcgccggctc ctgcaagtgc aaagagtgc	120
aatgcacctc ctgcaagaag agctgctgtt cctgctgccc cgtgggctgt gccaaagtgtg	180
cccagggctg cgtctgcaaa ggggcatcgg agaagtgcag ctgctgtgcc tgatgtggga	240

acagctcttc tcccagatgt aaatagaaca acctgcacaa cctggatttt tttaaaaata 300  
 caacactgag ccatttgctg catttctttt tataactaat atgtgactga caataaaaac 360  
 aattttgact t 371

<210> 2099

<211> 339

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (330)..(330)

<223> n=unknown

<400> 2099

ataaaaagaa atgcagcaaa tggctcagtg ttgtattttt aaaaaaatcc aggttgtgca 60  
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 tctccgatgc ccctttgcag acgcagccct gggcacactt ggcacagccc acggggcagc 180  
 aggaacagca gctcttcttg caggaggtgc atttgcactc tttgcacttg caggagccgg 240  
 cgcacgtgca ggagccacca gtggcgcaag agcagttggg gtccatttcg agcaaagggg 300  
 atgctggagc tcacaccagt gagacgaacn agcctcgag 339

<210> 2100

<211> 442

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (368)..(432)

<223> n=unknown

<400> 2100  
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aattttgatg ttggaaaagt tcaacgttat atcataagaa taagtgaag tattcttgat 180  
ctaagagaca gttttgatga tgctcttcaa gtaaatacta ctgatctgtc accaaaggag 240  
gccaactcca aggaaagctt tgcatttaaa ccagaaaata tctcagaaga aaatgcaacc 300  
cacatattta ttgccataaa agtatagata aaagcatttg acatcaaaag tatcccaaca 360  
ttggcacnag taactttggt tatccctcaa ggcaaatcct gatgacattg attctacanc 420  
taactectac tntactect ac 442

<210> 2101

<211> 511

<212> DNA

<213> homo sapiens

<400> 2101  
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tgttgcatca aataatatac aaccaggtat cagtatgaaa aaggatcttt gttcatcact 120  
atttcttaca aataaaaataa caaataaatg aaactattaa attttaatct tgacagtttt 180  
tacatatcca tgagtgtttt tatttaatca aagtatcctt ttccgacatc ttaaaattat 240  
ttttatgagt ttatgatcac acatgggatg aattttaaga ttcagaaata tcctttactt 300  
acattgtttt gttttttaaa actctcttct aggtctactt gaagattttt ttcttcgtta 360  
aggttcaa at ggtggtactt aaaataaagt taacaattac aacagaccca atcacagaca 420  
ataccagcgt agaaatatta actccagaat tatgactttt atcaggagta ggagtaggga 480  
gtaggagtag gtgtaggatac aatggccatt c 511

<210> 2102

<211> 368

<212> DNA

<213> homo sapiens

<220>



<221> misc\_feature

<222> (99)..(122)

<223> n=unknown

<400> 2102

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ccaagacagg catctcaaat cggctgattc tgcattctgga aactgccttc atcttgaaag      60
aaaagctcca ggtcccttct ccagccaccc agccccaann nnnnnnnnnn nnnnnnnnnn      120
nnttccgcac tggctggcct ctccggtgcg gcagagggac aagcatttca tcttgggaag      180
tgccccaatc ctccggtgca ggagaatttt gacgtgaata agtatctcgg aagatgggtac      240
gaaattgaga agatcccaac aacctttgag aatggacgct gcatccaggc caactactca      300
ctaattgaaa acgggaaaga tcaaagtgtt aaaccaggag ttgagagctg atggaactgt      360
gatcaaat                                         368
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<210> 2103

<211> 530

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (70)..(99)

<223> n=unknown

<400> 2103

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gcctccctgt agaacctggt tacgagagct tggggcagtt cacctgggtct gtgaccgtca      180
ttttcttgac atcaatgtta ttagaagtca ggatattttt tagagagtcc actgtttctg      240
gaggagatt agggtttctt gccaatatcc aagcaaaatc cacgtgaaaa agttggatga      300
tgcaggtaca ggaatacacg agggcatagt tctcatagtc ggtggccagg atccagtacg      360
gtgccgatgg cataaaccag gaaaacttaa cttccagctt ggcaggctct gtgagggttaa      420
ctgggggtggc ttcaccttcg atttgattca cagttccatc agctctcaac tcttggttta      480
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530

<210> 2104

<211> 357

<212> DNA

<213> homo sapiens

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<222> (35)..(62)

<223> n=unknown

<220>

<221> misc\_feature

<222> (164)..(164)

<223> n=unknown

<400> 2104

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nncccccttc ccaaggcaac tctggagggt accctaggta tgctgctgag ccctgcccc 120

cgtcctgctc cagcctgccc gtgtgtaacc tgtaagatgt actntgtgcc tccggaagac 180

accacctttc ccttcagcat tccctttcat gacctgagge actctgcat gtgtgcccc 240

aagcagaact tacagggcct gcaggaagct ggtgtcagg agagaaacc aacccactg 300

tcaacatagg gagcatcacc aactccagac tggctcctgt gggatatggtg tttccgc 357

<210> 2105

<211> 391

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (43)..(207)

<223> n=unknown

<220>

<221> misc\_feature

<222> (321)..(350)

<223> n=unknown

<400> 2105

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gcaaacaaaa ccgcgtgtgt ccgctgggtc tctgggcatg cagtttgctc ccantgcggg      120
aatgggggtgg gggcaggccg aacctgggct ctgggggctt tgctggggga gcttctggtc      180
ctgggggnac ccacttgtga gggagtnggg ggacagctgg aatagcgttg ctcagtgcgt      240
cctttgggcg ctggtgggga cacccggtc tatgttgac cctgtagcac tacagatcgg      300
agggtcccct tcccccaat nancnccccg ccagtnctgcn ctctccaaan tctaaccctg      360
tagaggttga gttctacagg ggcttgagga t                                     391
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<210> 2106

<211> 351

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (319)..(331)

<223> n=unknown

<400> 2106

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gcaagtcacg ggggacagag tcccccaagt ggtgcacgtg ttaatcgga aagtggctct      60
ggagctggag cgcttctgc cccagccctt caccggcgag atccgcggca tgtgtgactt      120
catgaacctc agcctggcgg actgccttct ggtcaacctg gcctacgagt cctccgtggt      180
ctgcaccagt attgtggctc aagactccag aggccacatt taccatgggc ggaatttgga      240
```

ttatcctttt ggaatgtct tacgcaagct gacagtggat gtgcaattct taaagaatgg 300  
gcagattgca ttcacaggna ctacttttat nggctatgta ggattatgga c 351

<210> 2107

<211> 425

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (23)..(417)

<223> n=unknown

<400> 2107

gacattttat tacttaatta tgngacatta agaaataatt tggntgcata ttatnttcaa 60  
aaagcagtaa gaaagnagct attgagaaag aaggacngcc ataggttntt caatannacg 120  
ttagnaacat tataaanaac gagncnccca ttacntggna acacatnate naanacnga 180  
cnancnaca ttcnaacagg cttgnttcga aatagantnc tccanttcnt tcagatgagc 240  
ctttnttctt aggtctnttc agaagcactt cacaatnaac agangtcttg ccanctcant 300  
tcattagcgg agnagcaaag gtatgnnggc agnatcatga gaagatggaa ataacgcctg 360  
aggatanggc ttganctctg anancaatna tctttgagtt attcacgcca ggatagnagc 420  
ttaga 425

<210> 2108

<211> 441

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (434)..(434)

<223> n=unknown

<400> 2108  
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 acttaatgca ctggtcattt gcatacgaca gtagcattct gaccacactt gtacgtgtga 120  
 acctcatcta cttctgatgt ttttaaaaaa tgacttttaa caaggagagg gaaaagaaac 180  
 ccactaaatt ttgctttggt tccttgaaga atgtggcaac actgttttgt gattttat 240  
 gtgcaggtca tgcacacagt tttgataaag ggcagtaaca agtattgggg cctatttttt 300  
 tttttccac aaggcattct ctaaagctat gtgaaat 360  
 aatacacctg cccctgtata tccttttttc cctccctc cctcccagtg gtacttctac 420  
 taaattgttg gtctgtttt t 441

<210> 2109

<211> 529

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (117)..(121)

<223> n=unknown

<400> 2109  
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 nggaggggag gggaaaaaag gatatacagg ggcaggtgta ttctctgtac agaggtgcag 180  
 agaaaatttc acatagcttt agagaatgcc ttgtggaaaa aaaaaaata ggccccaata 240  
 cttgttactg ccctttatca aaactgtgtg catgacctgc acaataaaa tcacaaaaca 300  
 gtgttgccac attcttcaag gaaacaaagc aaaatttagt gggtttcttt tcctctcct 360  
 tgtaaaagt cattttttta aaacatcaga agtagatgag gttacagcgt acaagtgtgg 420  
 tcagaatgct actgtcgtat gcaaatgacg agtgcttaag tgtcaaaca tgaaacaatt 480  
 gtgccaagaa taaaaaaca aattttagcc tttaataaaa tcggacgcg 529

<210> 2110

<211> 89

<212> DNA

<213> homo sapiens

<400> 2110

ccactgccca ttccattcac ccctcactgt acctgcccta gaacctgggc ctaggccaca 60

ggggcaggga gaagagaagg cattagtaa 89

<210> 2111

<211> 389

<212> DNA

<213> homo sapiens

<400> 2111

gccaaggaga cagcctcaga agctattttg caacctggta ccagcagaag ccaggacagg 60

cccctgtagt tgtcatctat ggtaaaaaca accggcctc agggatccca gaccgattct 120

ctggctccag ctcaggaaac acagcttctt tgaccatcac tggggctcag acggaagatg 180

aggcttacta ttactgtaac tcccgggaca gcagtggtaa ccttcattgg gtgttcggcg 240

gagggaccaa gctgaccgtc ctaggtcagc ccaaggctgc ccctcggtc actctgttcc 300

caccctctc tgaggagctt caagccaaca aggccacact ggtgtgtctc ataagtgact 360

tctaccgagg agccgtgaca gtggctgga 389

<210> 2112

<211> 388

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (182)..(388)

<223> n=unknown

<400> 2112  
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 cctgcagctc tagtctcccg tgggtgggggg tgagggatga gaacctatga acattctgta 120  
 ggggccactg tcttctccac ggtgctccct tcatgctga cctggcagct gtagcttttg 180  
 tnggacttcc actgctcang nntnaggntc angtanctnc tggnnngcgta cttnttggtg 240  
 ctttgtttgagg aggggtgtggt ggtctccact cccgccttga cgggnctgct atctgccttc 300  
 caggccactg tcacggctcc cgggtagaag tcacttatga gacacaccag tgtggccttg 360  
 ttggcttgaa actcctcaag agganggn 388

<210> 2113

<211> 365

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (17)..(99)

<223> n=unknown

<400> 2113  
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 ttcactctgga ttccacatgc gtgtggcagc ccaagggcnt tgttgtagga gcaatgactg 120  
 ttggtatggg gctattccat gtatcgggaa ttctgggcaa aacctaagcc ttagaagaag 180  
 agatgctgtc ttggtcttgt tggaggagct tgctttagtt agatgtctta ttattaaagt 240  
 tacctattat tgttggaaat aaactaattt gtatggggtt agatggtaac atggcatttt 300  
 gaatattggc ttcctttctt gcaggcttga tttgcttggt gaccgattac tagtgactag 360  
 tttac 365

<210> 2114

<211> 513

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (493)..(493)

<223> n=unknown

<400> 2114

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cttctgtata ttatataaaa gtttggttat actgtctggc caaaccagct tgctcataag      120
tcattaacca aatccattat aggtaatttg ttcagttcaa tgtttacaat tcttatggaa      180
aaaattagca acacacacat ttaaaacgtg ttcattttacc tttgcgtgag tgcttaaaat      240
acatatttct atttcaagat gacattttaa aattattcta atatatcagc agcaaaaata      300
taatttgcaa ttacaaaaaa cttaaactaga atccttaagt tattctcatg ttacagttg      360
tgattcttta ataaatacta ttatgcagct ctattgttta agctttctgg atttggttta      420
aacacatgca tatatattgt caattgtggg aagctttaca aggttatatt ccatgcactt      480
tttgggccag agntctaacc agagccagcc agt                                     513
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<210> 2115

<211> 380

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (275)..(275)

<223> n=unknown

<400> 2115

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atcagcttcc catccccac cagacagcca cagtaccctc actttctccc tattgttctt      120
tcaaatcctg ttctcaggaa agaaactgcc actaattcat tcacactaag gtgtaaatga      180
```



ttgataatag gaatgagtta cctcttccca cagacatttg tttttaagta tgacagagca	240
gggccttaat cccaaggga aagggttatgg aactngaggg ggtgagcttt ctgggtagaa	300
ggagacttcc tgaatttcct taaaaccag taagagtaag acctgttggt ttggaaggtc	360
tgctccacca tctaagagca	380

<210> 2116

<211> 342

<212> DNA

<213> homo sapiens

<400> 2116

acagcaaag tagtaattca acacatctat ttatcaaatac aatccactgc aatgaagaaa	60
aataaatgaa cagaaaaatac tatgtctgca taggacatgc tctcagtgtg taatttaaata	120
ggcaataactt taaattaatt gggttatatat aatgtcagtt atttttcttt cagaatataa	180
ccttttttgt agtaacctat tctagcaata ggacttaata cgactgcaga taaataggac	240
tgcaaaaacc aaaaacccaa aataatgaaa ttaaaaaggg aaaaaaaact gtaactgaga	300
tcagagttac ctttctctcc ccaatagaat acttatcgta aa	342

<210> 2117

<211> 316

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (79) .. (202)

<223> n=unknown

<220>

<221> misc\_feature

<222> (310) .. (310)

<223> n=unknown

<400> 2117  
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catccctacc ctttggtccc ctcagggacc cagacagcgt ggtcctctgc ctcttggtcca 180  
ttnnnnnnnn nnnnnnnnnn nncatcgccc tgcaaatcca ttcacgtcat ccagtccttc 240  
tgctgtgaca acgacatcaa catcgtgcgg gtgtcgggca tgcagcgcct ggcgcagtec 300  
tgggagagcn ggcgag 316

<210> 2118

<211> 501

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (455) .. (464)

<223> n=unknown

<400> 2118  
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cttgctgcaa cactgttctc ttcttctcta cttaaattcta tttccaaaat tggtaataga 120  
gccagaagga tccccagtac ccagccctct gcctggcaca aagtggtagc acaattaaat 180  
tcagtatggg tggagcatgg tacagtcttg gtgccataga aggagtagtt gcatagtcac 240  
acatcatttg ataagttgga tgttccatta catagaggaa cacaaaattc cagggttttt 300  
ggaggaaggg attagatagt gactaagccg ccagaattga ggtggccatt cctttttgta 360  
taggctaaga aacaggttat cagtgaaaag ttaattatgg ctttggcata gaatagcact 420  
gttgcaaagt atttaagcac cccccatct cagcncttta tttntctttc atgtgggcta 480  
atgtgaggat aatcttacag t 501

<210> 2119

<211> 497

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (425)..(425)

<223> n=unknown

<400> 2119

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aaaatagatg catatcttttc ctacaaaatt ataaaaatatt caggacagtt aatatttttt      60
ccataaatgc gctaagataa aaagatagaa atcttttttca ctttaaggttt tcaagtacct      120
tgtaggaatt aaagaataat aatgttcttt cttctacatt ttcctaaaga catagcagtt      180
acagtttcct gctggagtta tctaaaaaag gacataccaa gataaatttt ctatcatatt      240
gaaataaaat tagcataaag ctttacttct gtctttgtgc ttttagattg gcaactgtgg      300
tcaatcagtg ctgcactgga atttccaact cagcagggga aagaatctaa ttaaaaatga      360
cacacactct gtatctttgtc ctttagaaaa cagaaactgc ttgtcgatat cccttaaaaa      420
gtgcnattgc cttctttgtc attctttgta aagtctgaga tgttgtttct aaacagcaca      480
gcttacatga aaccacg                                     497
```

<210> 2120

<211> 423

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (243)..(416)

<223> n=unknown

<400> 2120

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tgagaaagag ggaatcacta ttcaggggta ctgtatatac aatctgggtc agctgcagct      60
ggttactgca tttctccatg tggcagacag agcaaagcca caacgctttc tctgctggat      120
```

taaagacggc ccacagacca gaacttccac tatactactt aaaattacat aggtggcttg	180
tcaaattcaa ttgattagta ttgtaaaagg aaaaagaagt tccttcttac agcttgggga	240
tcnggccaaa caaaaatgca gctgccatta aagtcacaga tggaacaaac ttctacactg	300
atttttaaaa tcaangaana agggcagcaa gtttctggat tcaactgaatc aacagacaca	360
aaaagacatc attttacaac ctcatttcaa aatgaagact tttacctgga ccctangtgt	420
gct	423

<210> 2121

<211> 239

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (8) .. (227)

<223> n=unknown

<400> 2121

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gcagtggggt caccgggtgct gtgaangtgg ccaaggggtgc tgtgcaaact gggntgaaaa	120
cgacccaaaa tatcgcaaca ggtacaaaaga anacccttgg cagtgggggtg ancgggtgctg	180
cgaatgtggc caaagggggc gtcnaggggg gcctggacac taaaaantct gtccctgact	239

<210> 2122

<211> 243

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (25) .. (136)

<223> n=unknown

<400> 2122  
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 tcctggcctg tgtgtgactc cccaggggtcc tccancagca gcctggcccc aggcctgagc 120  
 cangccccca gcccgnctgc acgtccaggc gcagggtgaac aacagcaaca acaagaaggg 180  
 taccttcacg gacgacctgc acaagctggt ggacgagtgg acgagcaaga cgggtgggggc 240  
 cgc 243

<210> 2123

<211> 178

<212> DNA

<213> homo sapiens

<400> 2123  
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 tgaagatcag ctggccctga ggggtccgtca cttctacact tagacggcgt gcagtgggccc 120  
 tcgcgtctag gcgggggtcag tcaggcttct cactctcagg atctggcgtg ggcacggc 178

<210> 2124

<211> 244

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (26) .. (243)

<223> n=unknown

<400> 2124  
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 gtcaacaggg aatgcctcgt gggagaaaaa agacaatttt attctcagcg ctgattttga 120  
 gatgatgggc ttgggaaaacg ggcgtcgcag catgaagtcg ccgcccctcg tgctggccgc 180  
 cctgggtggcc tgcacatcgc tcttgggctt caactactgg attgcnanct cccggagnnt 240

&lt;210&gt; 2125

&lt;211&gt; 440

&lt;212&gt; DNA

&lt;213&gt; homo sapiens

&lt;400&gt; 2125

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cgccgagggc ggcgggctgc cgcgcaaggg tggcgcgcgcg gcgttttccct tgttccctgggt    60
caacaaagaa atgtggagtg tcttggtga atcctcatcac agacaagatc attatgggtgc    120
tgttaagtat gcctggccct cacacagtcc atgggaaacc ttatttttaa cattactcca    180
ttgagtcaat aaatattttac catctgctgt gtgcaagtta ctaggcaaatt ttctgtatcc    240
ttgtccctaa aattcttgtc tttaaattca ttgtggaatt tcttttagact tcacactgac    300
ttttattact aagggtcacct ttataccaac tgccttcctc aaaatgctta taatgaaata    360
acagaatctt gagttggaaa cagcccaaag aaataatcca atgttgtact cagtgcagaa    420
ttccctagaa tttctaacag                                     440

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&lt;210&gt; 2126

&lt;211&gt; 428

&lt;212&gt; DNA

&lt;213&gt; homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (232)..(312)

&lt;223&gt; n=unknown

&lt;400&gt; 2126

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gctgtctcac tcatttccag ttaatcattt ctaaagagaa aatttacatt ttgtttttgt    60
tttaatggtg gtcataaatt tatacagttg ttttttgata gaggtaagaa ttagactcga    120
tgcatttttg ttagaattgc tgtttaaatg ttaacatcag aatgcaaatt aaatataaat    180
tgctttaacc tttgttacag gtatactgga ctttctgaaa ggaaaaccag gncncattaa    240
tgctagttat tactttatca cagcaccaga tttccatttt atttatggnt ccnctctggg    300

```

acaccactgt cngttttaata aaacaataaa taattcattg cacagatccg aagacctcag 360  
gaaccagatc acaagggaaa ccgattagca gcagaatttg ttcattgttg gtggcagact 420  
ggtggcca 428

<210> 2127

<211> 428

<212> DNA

<213> homo sapiens

<400> 2127

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aatgctgttc agcctggtgc agtgggacca tccaatgagc ttccaggaat gagtgggaga 120  
ggagctcagc tctttgctaa aaggcagtcg agaatggaga agtatgtggt cgattcagac 180  
acgggtgcagg cccacgctgc tcgagctcag tctcccactc catctctccc ggccagttgg 240  
aagtactcct ccaatgtccg agcacctcct cctgtggcct ataactctat ccactcgccg 300  
tcttaccac tggtgtctct caagtctcag ccacagctg cacagccctc caaaatgggc 360  
aagaaaaagg gaaagaaacc cctcaatgca ttagatgtca tgaagcacia ccgtatcagc 420  
tcaatgca 428

<210> 2128

<211> 455

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (405)..(440)

<223> n=unknown

<400> 2128

atagcagatt gacagtgcgc gcagaaaaag agcaggaata cagatatttt cagaagatta 60  
aatgggtact gtgtaccctc aaaccaggca agtttttctg agaggtctct aaacatatct 120

cctgcataga gtagatgact tttcttggag ctgtcataaa tgctttatag ttctctacat	180
taattcatgt cgaatatttt ccatgggttg tcagactcag acttaaaata gatctgagaa	240
aggtcttcag gtttactttc agtaccatta ttcacttcat agccagctgg gtgacaacat	300
gggtgtgtggc caattcaagt ttacaaggta accttgcttg aattatcctg gtccatcgaa	360
tacaaatagt aaagtgaagg tgagagaata gaattgcaag gaacntggga gaagcagttg	420
tcaaaaagca aaaccaaact caagaaaaaa aatct	455

<210> 2129

<211> 467

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (438)..(438)

<223> n=unknown

<400> 2129

cagacattag catgtcagac ttcgagaact ccagggaatt tggagccaat gacaacatgg	60
gagcctcttc gatcactcag gagacatccc tcggaggaaa agaagagttt gttgccacca	120
ctgagagcac cacagagacc aaagaaccca agaaggcaaa aaggatcatcc aaggaggaag	180
ccgagatggc ctacaaagac ttcctgctcc agtccagcac cgtggccgcc gagggcccagg	240
acggccccca ggaagcctag acggtgtcgc cgctgctcc ctgcacccat gacaatcacc	300
ttcagaatca tgtcgatcct ggggccctca gtcctgggg accccactcc ctgctctaac	360
acctgcctag gtttttcta ctgtcctcag aggcgtgctg gtccctctct cagtgcacatc	420
aaagcctggc ctaattgntc ctattgggga tgagggtggc atgagga	467

<210> 2130

<211> 495

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (442)..(442)

<223> n=unknown

<400> 2130

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tatatgccgc aattttacag ggtcttctgc ttgctgacc agaaccata ttaactatgg      120
agtcaaaggg gatgtggcag ttgttcgaat taactctccc aattcaaagg taaatacact      180
gagtaaagag ctacattcag agttctcaga agttatgaat gaaatctggg ctagtgatca      240
aatcagaagt gccgtcctta tctcatcaaa gccaggctgc ttatttgcag gtgctgatat      300
caacatgtta gccgcttgca agacccttca agaagtaaca cagctatcac aagaagcaca      360
gagaatagtt gagaaacttg aaaagtccac aaagcctatt gtggctgcca tcaatggatc      420
ctgcctggga ggaggacttg angttgccat ttcatgcca tacagaatta gccacaaaaa      480
gacagaaaaa ccgta      495
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<210> 2131

<211> 185

<212> DNA

<213> homo sapiens

<400> 2131

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gggtgcagaa ctgccctcac cacccttggc caccctggcc tcttgggagg aacaggcaga      60
gaggtggctt cagatggctc ttggctgcca ctctaggcct cggggcttat acaatgagca      120
gtgggctcta ccttccaata ggaagtgcaa actaattcga agtcacactt caccaggaag      180
gagag      185
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<210> 2132

<211> 422

<212> DNA

<213> homo sapiens

<400> 2132

atttagcctg tcaggcacc	aagtggatga gggggttcgc	tcagccagca agcgcatcgt	60
ggcgccccca ggcggccgtt	ctaatatcac atctctgagt	taagcaagcc ttcctcaaag	120
agaggggagcag aagcaagaag	agattgtttt gaagccaaaa	tggtacaccg atatttaaga	180
aggaaagcga atccaaacgg	ttgtgatcta aagaatcaat	aagcctcaag ccttatgttt	240
ctccaatgtt acgctcgctt	gcctagcttt acgaatattg	ctttgttttc tgtttatgca	300
tagccttgat ttgtttgact	ccccccccc catttacatg	catgcaatca gaccaggcca	360
taaggtaaaa gagtctgctc	tatcatagtg ttgagagcgt	gtgtagtgct gcattcttat	420
ga			422

<210> 2133

<211> 53

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (19)..(19)

<223> n=unknown

<400> 2133

gttattgatt ctttagatna	caaccgtttg gattcgcttt	ccttcttaaa tat	53
-----------------------	-----------------------	----------------	----

<210> 2134

<211> 186

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (40)..(127)

<223> n=unknown

<400> 2134  
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nnaactgcga nnnacagacc ccccgagaag agacgagacc aacacgctga gactgtgggg 120  
cgtcacnaac ctccaagtgc acggcggact gagttgtact tcgcagctct ctggacatta 180  
attacc 186

<210> 2135

<211> 218

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (150)..(179)

<223> n=unknown

<400> 2135  
gagggtagag gttcaggaga gggaggagca cagtctgaca ttggcactga gaacgtttaa 60  
catcagtaaa actttttttt aaaagagaaa ttttacatat agttaataa ttttttcact 120  
tggtgacaac attcaggcaa ccaaaagcan aacgaantnn tnnnnggat ggggtggana 180  
gaaaaaggat aggggggaaag aaggaaaagg ggggggaa 218

<210> 2136

<211> 429

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (146)..(267)

<223> n=unknown

<220>

<221> misc\_feature

<222> (400)..(423)

<223> n=unknown

<400> 2136

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cctgattggg gtgccaagag aaacagcagg atgttgaatt gatcatcaga tgcctctctgg      60
aatggtttagc atccaaggtg acagtgactg cattgaggcg ctctattctt cttcacctct      120
caggaactga cttttatttt ttctgncaac acccagtaat ctccnaact agttttaacc      180
cttattcctc cctcatacct agccatttct ccaaggcgca aatggcctg gcttcattta      240
ttccttctc ttctatcctt ttatatnttt cccttcccca cccctcact caatggtata      300
aaagctagga cagagcacct gacctcagtt gtctttggcc attgtgggaa gtcattattc      360
tgagagacaag aaaatcatca ctctggtgcc ttggtggcan caccactgcc tgctccctgn      420
aangtagac                                          429
```

<210> 2137

<211> 204

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (26)..(202)

<223> n=unknown

<400> 2137

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tagaatgggc agctaagaaa ttccanattg actctatcct ttnntttnt tgttgtttta      60
ctttaaaact ctaaaaatta tattttggaa aagaantgct ctatttccan ccaaccagga      120
gaaggaactn gangatatct tntagactg angnnttnt naccancanc ntcganccgn      180
attcnagct tacgtangcg nnca                                          204
```

<210> 2138

<211> 348

<212> DNA

<213> homo sapiens

<400> 2138

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ctcgtttttt gctcggaagt aattttataa aggaatttat ttttggcggt tccccacagt      60
tattcaaagg ctgctctact gagaagatga acaaatttct tgtccaaaac aatgtatttc      120
aaacgtgccc ctcgggcctt tcccgtgttg ctcaactggta ggtcagtaga tcattggaga      180
aaatgatctg aagctcagga gtgagaatta ataccagcaa ccttggtgct gaatctaggg      240
atagtttcac tcctatccct gaccattttc cctttttgaa acactgttcc tttggcttct      300
attacatttt tcttctgatt tttccacctg cttctctggc ttcttttt      348
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<210> 2139

<211> 432

<212> DNA

<213> homo sapiens

<400> 2139

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ggaaggaggt ggttgtgcag gatggcgacg gcggcctacg agcagctgaa gctgcatatc      60
acacctgaaa aattttatgt ggaagcttgt gatgatggag cagatgacgt acttaccatt      120
gaccgtgtgt ccacagaggt tacccttgca gtcaagaaag atgttcctcc ttcagctgtc      180
acaagaccaa tatttggtat actgggcaca atccatctgg tggcaggtaa ttatcttata      240
gtcattacca aaaagataaa agtaggtgaa tttttcagtc atgtagtctg gaaagcaaca      300
gattttgatg tcctttctta taagaagaca atgttgact taactgatat tcagttactc      360
cagtttatta actgaagaat taaccaccca aagatgaagg tgcaaaaaaa acaaaaagca      420
acaactctgg aa      432
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<210> 2140

<211> 378

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (249)..(271)

<223> n=unknown

<400> 2140

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taatttttga gtccaaattt ttaaaataag actccctaaa ctgttaacat tgaaagcctt      60
tggaagcat aatatatggt ctggaagggt cacgctgtgt cggctctcta gcatcaatgt      120
cagctaataa aattaaatgc taatgtgctt gaacaacctt aaaattaggc ttttgtcatt      180
agaaaagtag agctattcct atgtgggttaa cttattaact aagatgtcta tgcttttatg      240
aattagttnn nnnnnnnnnn nnnnnnnnnn nttgtttatt taacagatcc ctaatcatca      300
aattgttgat tgaaagactg atcataaacc aatgctggta ttgcaccttc tggaactatg      360
ggcttgagaa aaccccca                                     378
```

<210> 2141

<211> 366

<212> DNA

<213> homo sapiens

<400> 2141

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ggtttgacca ggctgcaccc acgaattctg ttttctttta gaggtcactg gagagcccgg      60
tggggtgtaa gtacactgcg cttataaaac tctagcagga agctagcagc tgtctccaaa      120
cccagagaag gggaaacagg aatcgattag gaataaagga ttataatcca ctttccttct      180
gaggaaaagc tggaacctt ctcattttgc cttatgaaaa ctaagctgaa tcgactgctg      240
ccaaacatct attaggcaaa attggcctct tgcccatgat ttgactttcc agcacagcca      300
gttctttttc tctctgcag ctgattggct ctggagtgtg gccagaagct ctctcctgca      360
attaataa                                     366
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<210> 2142

<211> 235

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (13)..(76)

<223> n=unknown

<220>

<221> misc\_feature

<222> (231)..(231)

<223> n=unknown

<400> 2142

tttaaatag tanttttaca aaatcatcnc agaaaatata ctanatttat taaaattcct 60

acaaaccatt gcaganaata ttaaaccctc taaccaacct aacactcgct ttcagaggca 120

cttgtgatga ttttcacagc ttccatagtt gcaaagaaca aagaaatcat cttccaacag 180

gggtggaatt agataagaat aatccaaaaa atatttattt ctttacagac ncaca 235

<210> 2143

<211> 511

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (152)..(152)

<223> n=unknown

<220>

<221> misc\_feature

<222> (286)..(286)

<223> n=unknown

<220>

<221> misc\_feature

<222> (456)..(490)

<223> n=unknown

<400> 2143

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gggggaatta cccaggatga gcagggagtc ctgggtcctg gtgctcagag gggcagaccc 60
ctgtgctctc ttaatttaca gagaagtatt gatttggttg agtgagtgaaggcattgac 120
cttcattcct cctctcgct gtgtatacag cncctcgctt cctccatccc tgtctgtctc 180
agagccccag ggactcgcag atgggagagg tgggggtgtc agcgggacct tctgtccctg 240
tgaggacccc acaagactgg cccatgggcc ccatgcagtg caggtnggag aggcgggggt 300
gtcagcgggc ccttctgtcc ctgtgaggac ctcacaaggc tggcccacgg gccccatgca 360
gtgcaggtgg gagaggtggg agtgtcagca gacccatctg ttctgtgag taccacaaa 420
ggctggcccc tgggccccgt gcagtgcagg tggganaggt gggggtntaa cggggcattg 480
ttctgtgan ggctcccatg gcttcccatg g 511
```

<210> 2144

<211> 424

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (397)..(397)

<223> n=unknown

<400> 2144

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gcacattgag tccccattga gtccctggtg ggaaaagtcc acaatttccc attgatagct 60
ttttactgtt gtgaaaaagg gaagcgctcag ccacacaaaa gcctgcatga ccgctgcttc 120
ggagaagctc tcgaccctaa ctgcagtcac tggtacttgg atcagatcaa gcgcagtgac 180
tttttgggat tcagtgggta ttctccacac ttcgtagcca tttcaaccaa ctctgagcac 240
```



```

aaaatgcagc catcctctat gcagcaagcc ctgcccagtc agtgacccta ctggacagat 300
ccaaggccag ccctgggtcc ctgctgcagc caccgtcctg acgttcatcg gagcaggccg 360
gggcctggct tcccggcaca agtggctggt ctgacangcc ccagtttgt cccatctgaa 420
tgct 424

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<210> 2145

<211> 214

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (40)..(40)

<223> n=unknown

<220>

<221> misc\_feature

<222> (190)..(205)

<223> n=unknown

<400> 2145

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ctgacatctg acgacacggc cgtgtattac tgtgcgagan ccccccttgc atcatactat 60
gatactagtg gttatTTTTT cgactactgg ggccagggaa ccctggtcac cgtctcctca 120
gggagtgcac ccgccccaac ccttttcccc ctctctcct gtgagaattc cccgtcggat 180
acgagcagcn tggccgttgg nngcntcgaa aagg 214

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<210> 2146

<211> 229

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(220)

<223> n=unknown

<400> 2146

tgcnacatct caccgccgntg acacgggttan tttgnaatgna cacacagann ggcgagccgn 60

cccgancctn tgggcaggnc agcanggnca ntagcangtg ccagctgtgt cggacatgan 120

canggacacg ttgtacaggg tgngtttacc gntggacttg tccacgggtcc tctnggngac 180

cctgttgggc anngcctcat nggncaccac gcangtgtan gtctcccc 229

<210> 2147

<211> 337

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (280)..(280)

<223> n=unknown

<400> 2147

agcaagatgg tggtgcagac ccaggtcttc atttctctgt tgctctggat ctctgggtgcc 60

tacggggaca tcgtgatgac ccagtctccg ggctccctgg ctgtgtctct gggcgagagg 120

gccaccatca actgcaagtc cagccagagt gtttttaaca gcgccaacaa taagaactac 180

ttagcttggg accagcagaa accaggacag cctcctaagt tgctcattta ctgggcatct 240

acccgggaat ccgggggtccc tgaccgattc agtggcagcn ggtctgggac agatttcact 300

ctcaccatca gcagcctgca agctgaagat gtggcag 337

<210> 2148

<211> 249

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (169)..(169)

<223> n=unknown

<400> 2148

aaagatgagc tggaggaccg caataggggt aggtcccctg tggaaaaagg gtcagaggcc 60  
aaaggatggg aggggggtcag gctggaactg aggagcaggt gggggcactt ctccctctaa 120  
cactctcccc tgttgaagct ctttgtgacg ggcgagctca ggccctgang ggtgacttcg 180  
caggcgtaga ctttgtgttt ctogtagtct gctttgctca gcgtcagggt gctgctgagg 240  
ctgtaggtg 249

<210> 2149

<211> 455

<212> DNA

<213> homo sapiens

<400> 2149

gggacgtgcg gaggctctca ctttccgtca tggcgctgaa ggtagcgacc gtcgccggca 60  
gcgccgcgaa ggcggtgctc gggccagccc ttctctgccg tccctgggag gttctaggcg 120  
cccacgaggt cccctcgagg aacatctttt cagaacaaac aattcctccg tccgctaagt 180  
atggcgggcg gcacacggtg accatgatcc caggggatgg catcgggcca gagctcatgc 240  
tgcatgtcaa gtccgtcttc aggcacgcat gtgtaccagt ggactttgaa gaggtgcacg 300  
tgagttccaa tgctgatgaa gaggacattc gcaatgccat catggccatc cgccggaacc 360  
gcgtggccct gaagggaac atcgaaacca accataacct gccaccgtcg cacaaatctc 420  
gaaacaacat cttcggacca acctggactc tatgc 455

<210> 2150

<211> 576

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (548)..(550)

<223> n=unknown

<400> 2150

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gctggggtgc tggagtggga aggggaatcc aaggagcaaa ccaagaaggt cctagggcca      60
gcctaggcct ccacggcccc gccgttgatg acgcggatgt ggcggatgac gtccctggatg    120
gcttcagatg ttgtgccctg gcccccgatg tccggagtgt gcatattctc attgtccatg    180
gatgccagga cagccttacg gatggaggtg gcataggagt gcagcttgag gtggtccagc    240
atcatgcagc tggccagcag ggtggccgtg ggggttgcca tgttcttatt ggcgatactc    300
ttgccggtgt tcctcgtagc tgtttcaaac accgcgtaca catggccata gttggcccca    360
gccacaaggc ctgggcccc caccagtcgc gcgcagacat tgttgacgat gttgccatag    420
agattgggca tcaccatgac atcaaactgc tggggccggg acaccagctg catggtggtg    480
ttatccacaa tcatgttctc gaaggtgata tgaaggtagc gggctgccac ctccctgcaa    540
cactggangn aaaagccatc gccagtttc atgatg      576
```

<210> 2151

<211> 201

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (80)..(80)

<223> n=unknown

<400> 2151

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ctgcccgtct cggcctccca aagtgtgtga agggaacaag gagatatatt ctgggtgaag      60
ggtgatgctg gctgcagatn gtgagccctc agactcacta gtggacatgg aagatgagga    120
aaggggcccc agcatggcag tgggaagggc tggggacctt cagggtgggc ccacaggggt    180
```

aggagacatt accgtggggc c

201

<210> 2152

<211> 434

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (378)..(378)

<223> n=unknown

<400> 2152

gtcacaaga gcttcaacag gggagacagc caccctcttg tgcagggccg gccagccttt	60
gcccggcacc gcccttgctt ggtttcaaaa gcagcctgcc cagcctccca ggctcctcgt	120
ctacggtgca tccgttaggg cccctggcgt cccagacaga ttccgtggca gtgggtcttg	180
ggcagacttc actctcacta tcgacagact ggaccctgaa gattttgcga tgtatttttg	240
ttttcaatat gagtctttac ctcacacctt tggccagggg acaggctgga catcaaacga	300
actgtggctg caccatctgt cttcatcttc ccgccatctg atgagcagtt gaaatctgga	360
actgcctctg ttgtgtgnet gctgaataac ttctatcccc agagaggggc aaagtacagt	420
ggaaggtgga taac	434

<210> 2153

<211> 368

<212> DNA

<213> homo sapiens

<400> 2153

ggccccctgga caaggacttg agtggatggg atggatcaac cctaatagtg gtggcgcaag	60
gtatgcacag ggctttcagg gcttggtcac catgaccagg gacacgtcca tcagtacagc	120
ctacttgag ctgcgcggcg ctgagatctg acggctcggc cgtgtacttc tgtgcgagac	180
aaaccacctc gtctcctgta ggagatgctt ttgatatctg gggccaaggg acaatgggtca	240
ccgtctcttc agcatccccg accagcccca aggtcttccc gctgagcctc tgcagcacc	300

agccagatgg gaacgtggtc atcgccctgcc tgggtccaggg cttcttcccc caggagccac 360  
tcagtgtg 368

<210> 2154

<211> 436

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (412)..(412)

<223> n=unknown

<400> 2154

ctcagtagca ggtgccgtcc acctccgcca tgacaacaga cacattgaca tgggtggggt 60  
tacctgccaa gcggtcgatg gtctttctgtg tgaaggccag cggcagggcc tcgtggccca 120  
ccatgcagga gaaggtgtcc cctttcttcc agtcctcggc tgccacgcgc agtatgctgg 180  
tcacagcgaa ggtgggtggg ccctggctgg gctcctgccg ggatgcccaa gtcaggtact 240  
tctcgcgggg cagctcctgt gacccctgca gccagcgaac cagcacatcc ttggggctga 300  
agccgcgtgc caggcacgtc agcgtcacca gtcgttcag ggccagctcc tccgacggcg 360  
gcggcagcag gtggacctcg ggccggaatg tgtttcgga ttttgagagg tngcggttag 420  
cggggtcttg gactcg 436

<210> 2155

<211> 356

<212> DNA

<213> homo sapiens

<400> 2155

ccaaggctc tccacttggg gatcagcact gagcaccgag gattcaccat ggaactgggg 60  
ctccgctggg ttttccttgg tggatatttta gaaggtgtca agtgtgaggt gcagctgggtg 120  
gagtctgggg gaggcctggg cgagccgggg gggtcctga gactctcctg tgcagcctct 180

ggattcacct tcagtagtta caccatgacc tgggtccgcc aggctccagg gagggggctg	240
gagtgggtct catccattag tggcagtggc acttacaaat cttatggaga cacaatgagg	300
ggccgcttca cccatctcca gagacaaccc caaacagtcc ttgcatttac aattga	356

<210> 2156

<211> 405

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (194)..(403)

<223> n=unknown

<400> 2156

cggctcagta gcaggtgccg tccacctccg ccatgacaac agacacattg acatgggtgg	60
gtttaccgcg caagcggtcg atggtcttct gtgtgaaggc cagcggcagg gcctcgtggc	120
ccaccatgca ggagaagggtg tcccccttct tccagtcttc ggctgccacg cgcagtatgc	180
tggtcacagc gaangtngtg gtgccctggc tgggtctctg ccgggatgcc caagtcaggt	240
acttctcgcg gggcagctcc tgtgacctct gcagccagcg aaccagcaca tcnttngggc	300
tnnagccgcy tgccaggcac gtcagcgtca ccagctcgtt cagggccagc tcctccgacg	360
gcngcggcac aggtggncct cgggccggaa tgtgtttccg gantt	405

<210> 2157

<211> 315

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (212)..(267)

<223> n=unknown

<400> 2157  
gaacaacaac tggcaccg gctgcttccg ctgcgagctg tgtgatgtgg agctggctga 60  
cctgggcttt gtgaagaatg ccggcaggat ctctgccggc cttgccacaa ccgtgagagg 120  
ccaaaggctg gggcaagtac atctgccagc ggtgcaactt ggtcatcgac gagcagcccc 180  
tcatgttcag gagcgacgcc taccaacctg ancacttcaa ctgcaaccac tgtgggaaag 240  
agctgacaag ccgaggcccc cgagctnaag ggtgagctct aattgctgc cctgccaatg 300  
acaaagattg ggcgt 315

<210> 2158

<211> 246

<212> DNA

<213> homo sapiens

<400> 2158  
aaacaaacac caggtctgcg ctggccgaag acgaagcgtc ctccctggag gtgggaacaa 60  
gtcacctctg accacacctc ctctgacgcc atcacctcct cctggcccca cccaagggct 120  
cgacacaagc cccaaggctc ggggggagagg ggcggggcg aaccgagggc ggaggccaag 180  
gtgggattcc aggaaggcct tccgaagatg gaggtgggtc ctgtccctcc aggtagcttg 240  
tgggtt 246

<210> 2159

<211> 323

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (33)..(58)

<223> n=unknown

<220>



<221> misc\_feature

<222> (290)..(290)

<223> n=unknown

<400> 2159

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cactaaatat atacattttg aagaaattaa acacagaact ttgcatttac ccagttctat      120
gcaccaaaca tgaacaaata cattaacagg aagaaacagg ctaggaaaaa ggcatatata      180
tatagtaaat ttctttacaa aagttttctta gttcaaaaag tgataaagta atatctactc      240
aaaactttca caactcattt tcatacgaaa atataagtat caaatttagn tatgtatcag      300
cgtcatacta aagtatacag gcc                                          323
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<210> 2160

<211> 553

<212> DNA

<213> homo sapiens

<400> 2160

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aaagtgcctat aagatgcagc actaaatata tacattttga agaaattaaa cacagaactt      60
tgcatattacc cagttctatg caccaaakat gaacaaatac attaacagga agaaacaggc      120
taggaaaaag gcatatatat atagtaaatt tctttacaaa agttttcttag ttcaaaaagt      180
gataaagtaa tatctactca aaactttcac aactcatttt catacgaaaa tataagtatc      240
aaatttagtt atgtatcagc gtcatactaa agtatacagg cagtgtgaaga attagtacag      300
tacataacag agattaacaa tatatttgta tacaaaakat gtcctcctcaa cattgaggta      360
ttattacagt acttaggtat gaacttcag tctaatactg gccgcaaaag ccacctctca      420
ttaccagga tgtatacaaa agggcgatgt gtcaatggta ttacagaaa tgttccccag      480
gggtatcaaa tggcaaacc cttatgtggc atctgctgga acttaagcac cattttaaaa      540
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<210> 2161

<211> 479

<212> DNA

<213> homo sapiens

<220>

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<222> (134)..(134)

<223> n=unknown

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<222> (366)..(366)

<223> n=unknown

<400> 2161

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atagcaggca ttgngtgcag gcagctgggc tgtggggaga atggagttgt cagcctcgcc	180
cctttatcta agacaggctc tggtttcatg tgggtggatg acattcagtg tcctaaaacg	240
catatctcca tatggcagtg cctgtctgcc ccatgggagc gaagaatctc cagcccagca	300
gaagagacct ggatcacatg tgaagataga ataagagtgc gtggaggaga caccgagtgc	360
tctggnagag tggagatctg gcacgcaggc tcctggggca catgtgtgat gactcctggg	420
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<210> 2162

<211> 426

<212> DNA

<213> homo sapiens

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<223> n=unknown

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<222> (409)..(414)

<223> n=unknown

<400> 2162

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tagagggttga tctngtgagc cctggaagtc taaagtcatt ttgtggcttc agaggcagga	180
agaactccca acagcgatgt gtcgctagca tcttcacaac catgggtggg ggtgtcatct	240
gagggttcttg tcccatgtgg gtcctctctc ttgaggcagg tctccatctc atggaataaa	300
ttctcctcga gagaaccctt ccttctggtt gaaactctga ggggcagatg tttttgtttc	360
tgaactcggc accacgtgag aaatagaata aacagaccag gagaagganc ccnaagata	420
ctggat	426

<210> 2163

<211> 487

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (271)..(376)

<223> n=unknown

<400> 2163

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ctggaacaag gtaaaaaggg gtcactatgg agttcaaagg acagaactcc tgcttggtga	180
ccgggacaac ctggccattc agaccggggg tggcccagaa aagcatgaag taactggctg	240
ggtgctggta tctcctctaa gtaaggaaga ngctggagaa tatnagtgcc ntgcatccaa	300

ttcccaagga caggcttcag catcagcnaa aattacagtg gttgatgctt acatgaaata	360
ccagtgaaaa aaggtnaagg tgccgagcta taaactccca gaatattatt agtctgcatg	420
ggttaaaagt agtcatggat aactacatta cctgttcttg ctaaataagt ttcttttaat	480
ccaaatc	487

<210> 2164

<211> 546

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (543)..(543)

<223> n=unknown

<400> 2164

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ctttattttg tatttctctg tgtaaaacca gtgaatataa ctaaagtgtt agtggattgg	120
attaaaagaa acttattagg caagaacagg taatgtagtt atccatgact acttttaacc	180
atgcagacta ataatattct ggaggtttat agctcggcac cttcaccttt tttcactggt	240
atttcatgta aggcatcaac cactgtaatt tttgctgatg ctgaagcctg tccttgggaa	300
ttggatgcat ggcactcata ttctccagca tcttccttac ttagaggaga taccagcacc	360
cagccagtta cttcatgctt ttctgggcca ccccggtct gaatggccag gttgtcccgg	420
tcaccaggca ggagttctgt cctttgaact ccatagtgac ccccttttta ccttgttcca	480
gatgaggaca ggtgtcggga ttccgatgac ctcacagctc aagtacacct gggcaccagt	540
ganatt	546

<210> 2165

<211> 303

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (291)..(291)

<223> n=unknown

<400> 2165

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tgaatgtctg gaatgtagaa agacgttttag gcggagtgc catcttattc gacatcaaag     120
aattcatact ggtgagaaac cttataaatg taagcaatgt tggaaggcct ttgcttctgt     180
ttctgattta atagacatcg gaaaattcac actgatgaga gactttacga atgtacagaa     240
tgtgggaagg catttaacaa tcgctcaact cttattcagc atcagagaat ncacactggt     300
gag                                                                    303
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<210> 2166

<211> 386

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (203)..(386)

<223> n=unknown

<400> 2166

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taactggtcc acaagagaaa atgagagact cgatttggct gccaggaaca cctgggccta     180
ggcaagaaca caagaggttt ctnggggtng ggaggaaata ngctctcgctg aaggtgacag     240
atcccttggg gggcgccag ctgtctggat cactgtccan ggactgttgc cagcccagat     300
acctccgagg tgagtccaga tcactaggag cagcagtctg tcggtnggat gcgatggatg     360
gcgatngcng tngcagcgca ngctctn                                         386
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 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (235)..(304)  
 <223> n=unknown

<400> 2167  
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 aactaccacc tcaatcaaaa ctacatttag ccttatttac tgtaaatttt ttgactcctg 120  
 gtatgaatgg ttaagactcc agcaaaaaga cactggcaag cgttagagga aaagaggaaa 180  
 gtttatccga aagtgttatg gaaatcccca aaagaaggac atggaaaggt gtggnggact 240  
 tactgatatg gggaagatgg natgcttng tgtttacagg agatggacaa actgtgcgtg 300  
 cgancatgga acgggagact ggaggaacct atggtggcca accatgagcc cggtccctcc 360  
 ggtacga 367

<210> 2168  
 <211> 410  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (387)..(387)  
 <223> n=unknown

<400> 2168  
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acattcttgc cgcgcaggcg cagttcgtgg gcgtcgagg tggttgtaga gcgactgcac	180
ataggtgaag acacacttgg ggtcaggctt cttgcccattg atcatcatgt cgtccacctc	240
caccaggggc acacagtcca ccagcatctc cgcagatgag aaggccacct cgaagttctg	300
gcgtcggggt ctgagggtta agctgcccatt agtcgaaggc ctcagggaag aagttgtgca	360
ccagggcaca gaaggccatc ccatcantcc agctggagga gaagttctgg	410

<210> 2169

<211> 481

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

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<222> (434)..(478)

<223> n=unknown

<220>

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<222> (96)..(126)

<223> n=unknown

<400> 2169

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cagcgncaac cctgcgtgta ggaatcgaaa aggacagggt ccggcggagg tgggtcccaga	180
tcctatggac atgtccccgg acccccggga tggacttctc ccgtgtcacc ggcaaaggcc	240
gcaggaacac aaaggcaana agnagacccc atcatnccca tctctgggca gcttgcagca	300

gcgtgacggg gccaaaggctg aggttggaga ccaggtcctt gtcgcgggcc agaagcaggg 360  
gatcgtgcgc ttctacggga agacagactt tgccccaggt tactggtatg gcattgagct 420  
ggaccagccc acangcaagc atgatggctc tgtcttcggt gtnccggtacn tcattgcnc 480  
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<210> 2170

<211> 544

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (505)..(505)

<223> n=unknown

<400> 2170

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gtgctgtggg gtcctttgag gccagtgact agaacgtaga ttgaaatcgg ggttccagga 180  
tttgagatcc cctcagggcc ttggggcctt ccatttatta gagatggagg ctttaggatt 240  
tgggggttccc ttagggctgg ggctcttggg atttggtgtc ttgaaacca tggactcggg 300  
gcattgaaat tctccagttt ccagggatgg gaattcctgt gtgggggttct ctggtgcctg 360  
tgaatagggc ttgaggtgtc tgggagcctg gaatgcatat cctgactgca gtctcctcca 420  
taccaggcac aaggacctca tgattgggtt tcctggggac ttgggattgg attttcaa 480  
ttgggattcc ctgggggattt gggantccat gatttggggg tccctaggag ttaacggcat 540  
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<210> 2171

<211> 318

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (2)..(110)

<223> n=unknown

<400> 2171

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ttgaagggtc tgtnaccttt tgcagtggtc caaatgagaa aaaaatggan aatgggaggc 120

atgaaataca tcttttcggt gttgttcttt cttttgctag aaggaggcaa aacagagcaa 180

gtaaaacatt cagagacata ttgcatgttt caagacaaga agtacagagt ggggtgagaga 240

tggcatcctt acctggaacc ttatgggttg gtttactgcg tgaactgcat ctgctcagag 300

aatgggaatg tgctttgc 318

<210> 2172

<211> 101

<212> DNA

<213> homo sapiens

<400> 2172

attgcaaggg tatcgatagg agcactggat ttaataacac tcttgcttgg tgacattacc 60

agtacatagc acgcactcca caatgccaaa tgcccggagg t 101

<210> 2173

<211> 538

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (194)..(194)

<223> n=unknown

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atctaccaac agacagagat agagaagaca gggagtgcac ctctgtttgt tcattgcctt 120  
ggttggacac ttctgtttac atttcattgg cagttattgg tcacatggcc cgcctagggtg 180  
caaagaaggg aganggtgca aatttaatcc ttgagtgggtg atcactcccc ccaactatgg 240  
aaggaggagc aggaattgta agggacactt agatgtctct tccattgggg tcaactggcgt 300  
gagtgtggaa tctcaacact gtaatgtaca ttttcttctt ctcaaagtac cttgggagcc 360  
tccaatccag atcaggaatt ctagatgact tgatgacatg ggagaatact acatgacatg 420  
gaaggaattc acttattatt tcagtttgat ccttaagttt gaattcccca agaagcaagt 480  
ccagaaacaa cgatttgact gcaagtcggt tatttgtaag gtgatgctag gaaacact 538

<210> 2174

<211> 552

<212> DNA

<213> homo sapiens

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<222> (45)..(45)

<223> n=unknown

<220>

<221> misc\_feature

<222> (192)..(514)

<223> n=unknown

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ttaaaatcct tgctgaattg ttttgtaaaa tatatttcat ctacagtgtg gtgcaataaa 180  
ataaattata tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	300
nnnnnnnnnn nnnnnnaatt ttaaaagcaa tgcgtgattt tgtagtatt aggtttcctc	360
ttgtgtntta gaattttgat tttcaagctc attttaagtg gaagataatt tattttttct	420
gtggctgggg gaagcggagt tgggaaggaa gtccancctt cctatttagt ggttttcagt	480
attctccact gggacagcag tctagaattt atgntcttta aatgggtgtt tgaagctctt	540
gcctcagaga ga	552

<210> 2175

<211> 467

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (199)..(217)

<223> n=unknown

<220>

<221> misc\_feature

<222> (326)..(371)

<223> n=unknown

<400> 2175

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gccactgtct tctccacggt gctcccttca tgcgtgacct ggcagctgta gcttctgtgg	180
gacttccact gctcaggcnn nnnnnnnnnn nnnnnnnnagc tgggtgtggt aaattagaga	240
tgaccacaga ttctttgctg cttctcccaa ttatgtgttt gttctatttc tacaggtttg	300
tgtggctcag aagaagagag ttttancact ttacatcatc ccattgngat actatagaag	360
gagtttattg naaatttatg ggggttccac tctggaagta atgtttgtct tgatgtttga	420
tatttccatt taataattca acgcacattt actgaaaacc tattgtg	467

<210> 2176  
 <211> 501  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (247)..(484)  
 <223> n=unknown

<400> 2176  
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 ctgctgacct tggTgggctc cttgttggcg aacatctggc cagcctagat ggctctgtt 180  
 gggacagctg aactctctc cacatagtct ctcacctcc actagcattg cctgggcttt 240  
 ttttaganggc tgtgatgaca ctccaagtga agggacagaa gcacacatga cggntccctg 300  
 aggccaggaa tcagaacggg cccaccatca ctncaccgn acananactg accaaaacaa 360  
 atcactggcc agcccagatt caaggcgagg ggaatagacc ctaacttttg gtgtgaggaa 420  
 ctgccaaatc atgtgacaaa nantggggat ataagtagga gggaagnctc aagggatatt 480  
 tttntacca gtatatccca g 501

<210> 2177  
 <211> 335  
 <212> DNA  
 <213> homo sapiens

<400> 2177  
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 ttctttctcg cctttggttc actgagcttc tttatctttc attagtttta gaaaattcat 180  
 agccattatc ttttcaaata ttgctgcttc attctctctc tcttcttcat taacctacgt 240  
 atagtagaat ttttgactat gttctgtgtg tctccaacac tgtgttctgt cctttttgcc 300

cttggtttct gtgctcagtt tggatttgac ctgaa

335

<210> 2178

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<213> homo sapiens

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<223> n=unknown

<400> 2178

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agtcatgttt ttttct 76

<210> 2179

<211> 465

<212> DNA

<213> homo sapiens

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<221> misc\_feature

<222> (359)..(421)

<223> n=unknown

<400> 2179

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ggaggggtga tgtggattta tgtcttgtgt ggctgatgat ggtggatggt ttcaggtctc	180
tctgaagagg ctatcatgga gctgaacctg ccgactggta ttccattgt ctatgaattg	240
gacaagaact tgaagcctat caagcccatg cagtttctgg gggatgaaga gacggtgcg	300
aaagccatgg aagctgtggc tgcccagggc aaggccaaga agtgaaggcc ggcggggang	360
atactgtccc caggagcacc ctccctgcc gncttgtccc tntggcnent cccaactgca	420
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<210> 2180

<211> 397

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (336)..(364)

<223> n=unknown

<400> 2180

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gaataaaaat attacagata gtatgttttc tagataatgc aataaaatga tataaaataa	180
taaagtagtg cttaacatat agtattatga aattctttat tgtctattat gaatatattt	240
gtagaaagca tggttaaagct gctgtcatta ttgtaaatga attttaacat ggctattttt	300
aaaagacagt gcagtcagtt atagcagata taaaantgta agtntctaca ttanngnntt	360
caanccctga ggggttaa atcttagattt acaagta	397

<210> 2181

<211> 508

<212> DNA

<213> homo sapiens

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 cttgaaaata aaaacctcag tgagatcagg gatgatctta ctttcttaaa attgtggtaa 180  
 aggtgtttgt tcacaggcta aaggaccata gctcattctc taagaatttc acctgattcc 240  
 aactctacca catctgagtg gtttctttct gagttttctg ctttctaac aattttgggt 300  
 cttacttgat gataccaacc aaaacctaata aagatttttc ttgttctggt tcttctgat 360  
 atgtactggt ggtagatca aagatgaaaa gattaaaaag gacaaagaac ccaaagaaga 420  
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<210> 2182

<211> 514

<212> DNA

<213> homo sapiens

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 aaaaatctta ttaggttttg gttggtatca tcaagtaaga cccaaaattg ttaggaaggc 240  
 agaaaactca gaaagaaacc actcagatgt ggtagagttg gaatcagggt aaattcttag 300  
 agaattgagc atggctcttt agcctgtgaa caaacacctt taccacaatt ttaagaaggc 360  
 aagatcatcc ctgatctcac tgagggtttt attttcaaga gcagtggtag tactattggt 420  
 tggaaaccac taagttctgg gaacttcattg taaaagtagc tgtttgcagt tcccactggg 480  
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<210> 2183

<211> 577

<212> DNA

<213> homo sapiens

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gctgacaaat tgtactttgt cctagactac attaatggtg gagaggtgag caggggggat 120  
agaagtcaac tcttagtgtc tctgcacagc ctgctttgtt ttagtttgag aaaaaagttt 180  
tcaaagattt ttggtgggga gaatgttacc agaattagca tttccttcaa cctgtcaggt 240  
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tagccagtgc cttgggctac ctgcattcac tgaacatcgt ttatagagac ttaaaaccag 480  
agaatatttt gctagattca cagggaacaca ttgtccttac tgacttcgga ctctgcaagg 540  
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<210> 2184

<211> 309

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (16)..(62)

<223> n=unknown

<220>

<221> misc\_feature

<222> (186)..(249)

<223> n=unknown

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ctgctgggtcc cagcctagaa agctcacttt gtgttctctc ctgtctaaca gagtctggcg 180



gagacnacag cgtgtttgac ntctttgaan tcaccggggc cgcccgaan ggtctgggcg 240  
 ccgactggng aaggggcccc acccttccag ccagtttcc gcatcgagga tgccaacctg 300  
 atccccct 309

<210> 2185

<211> 252

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (3)..(3)

<223> n=unknown

<220>

<221> misc\_feature

<222> (151)..(207)

<223> n=unknown

<400> 2185  
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 atgctatcct gtggctactg actctatcgg nnnngccnnn gccgangcgn tntgcnngc 180  
 ngngangggg ntcgtgttcc cacctgnggg gatgtggaca agtctgacgg cactatcagt 240  
 tttattaaca tg 252

<210> 2186

<211> 371

<212> DNA

<213> homo sapiens

<400> 2186  
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ttgaaattag aagtatgtct tattgaccct gacctgtctt cctctccttc taggtgactt 120  
 gcttttggag ggcttcaaca actacacctt cctctccaat ggctttgtgc ccatcccagc 180  
 agcccaggat gatgagatgt tccaggaaac cgtggaggcc atggcaatca tgggtttcag 240  
 cgaggaggag cagctatgta agcctcacac cttgagtctg gagggtagct tgccctggata 300  
 ccagtggaac ctgttaagaa ctcttctctg gtcaggacag atttctgctc tctgaattcc 360  
 ccaccttcca t 371

<210> 2187

<211> 287

<212> DNA

<213> homo sapiens

<400> 2187

tgaccagaga agagttctta acaggttcca ctggtatcca ggcaagctac cctccagact 60  
 caaggtgtga ggcttacata gctgctcctc ctcgctgaaa cccatgatg ccatggcctc 120  
 cacggtttcc tggaacatct catcatcctg ggctgctggg atgggcacaa agccattgga 180  
 gaggaaggtg tagttgttga agccctccaa aagcaagtca cctagaagga gaggaagaca 240  
 ggtcagggtc aataagacat acttctaatt tcaacatgag accgaga 287

<210> 2188

<211> 538

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (17)..(17)

<223> n=unknown

<220>

<221> misc\_feature

<222> (503) .. (532)

<223> n=unknown

<400> 2188

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cgtgagtaga ccatatgttt tgccctcttct attgtctgtg tcttcgagtc cctgagtctc	120
cggactgata tgactttctga ctctgcagtc agcctctgat ctcttcagg gaaaagatca	180
tgatccgtca gttctcacac tcgagaatag actgcgcatt ttctttgggg aggaatcaac	240
gttcagtcgt tgggtgagaa ttcccttgtct aagtcaagac tccaggaacg tccctgcgaaa	300
cataacacat tttggacaga gccctgggtca ctggtcaggc aggccgtttt tacttgggag	360
ggaagttaag aagagccctt gtgtgttcac ctttggccag ggggccaag tggaatcaa	420
atgtgggccc tctgtgcaat ggagcctcac tgctgtagct ttgttctctt ttgtgttctt	480
ttgtgtggga tttcagtaag tctgacgcca ccgatgtaat aagggttcatt tncaggat	538

<210> 2189

<211> 569

<212> DNA

<213> homo sapiens

<400> 2189

aaagatgagc tggaggaccg caataggggt aggtcccctg tggaaaaagg gtcagaggcc	60
aaaggatggg aggggggtcag gctggaactg aggagcaggt gggggcactt ctccctctaa	120
cactctcccc tggtgaagct ctttgtgacg ggcgagctca ggccctgatg ggtgacttcg	180
caggcgtaga gtttgtgttt ctctgtagtct gctttgtcga gcgtcagggt gctgctgagg	240
ctgtaggtgc tgccttctgt gtccctgctct gtgacactct cctgggagtt acccgattgg	300
agggcgttat ccaccttcca ctgtactttg gcctctctgg gatagaagtt attcagcagg	360
cacacaacag aggcagttcc agatttcaac tgctcatcag atggcgggaa gatgaagaca	420
gatggtgcag ccacagttcg tttaatctcc agccgtgtcc cttggccgat ggtgatccac	480
agtgttgact taattacttt cccctaaaca aaaatctctt ttcgctgtta atatcactaa	540
cctgaccctt gcagagaaaa tcttgcaat	569

<210> 2190

<211> 548

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (218)..(218)

<223> n=unknown

<220>

<221> misc\_feature

<222> (413)..(413)

<223> n=unknown

<400> 2190

cattgacacc atcagtagta actactggag ttggatccgc ctatccaccg ggggggggact	60
ggagtggatc ggccgcattt ataggactgg caacagtaac tttaatccct ccctcgagaa	120
tcgtgtctcc atgtccatag acacgtccag gcagaaattt ttcttgaggc tgaggtctct	180
gaccgcgcgt gactcggccg tctatttctg tgcgaganat tctccatggg ggccgtggct	240
tgattcctgg ggccagggaa ccctggtcac cgtctcttcg gcatccccga ccagccccaa	300
ggtcttcccg ctgagcctct gcagcaccca gccagatggg aacgtggtca tcgcctgcct	360
ggtccagggc ttcttccccc aggagccact cagtgtgacc tggagcgaaa ggnacagggc	420
gtgaccgcca gaaacttccc acccagccag gatgcctccg gggacctgta caccacgagc	480
agccagtgac cctgccgggc acacagtgcc tagccggcaa gtccgtgaca tgccacgtga	540
agcactac	548

<210> 2191

<211> 565

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (299)..(299)

<223> n=unknown

<400> 2191

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accgcgccaag cggtcgatgg ttttctgtgt gaaggccagc ggcagggcct cgtggcccac      120
catgcaggag aaggtgtccc cttcttcca gtcctcggct gccacgcgca gtatgctggt      180
cacagcgaag gtggtggtgc cctggctggg ctctgcgg gatgcccag tcaggtactt      240
ctcgcggggc agctcctgtg acccctgcag ccagcgaacc agcacgtcct tggggctgna      300
gccgcgtgcc aggcacgtca gcgtcaccag ctcggttcagg gccagtcct cgcacggcgg      360
cggcagcagg tggacctcgg gccggaatgt gtttcggat ttgagaggg tggcggttag      420
cggggctctt gactcggggg aggcagcagt gcaagtgaag gtcttcccat ggttccatgg      480
ctcggcacag cccggcagga cactggacac gctgtagcag ccacagaggt cacgctcagg      540
tggtcttgaa cagcgtcttt cccac                                           565
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<210> 2192

<211> 435

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (43)..(43)

<223> n=unknown

<220>

<221> misc\_feature

<222> (131)..(131)

<223> n=unknown

<220>

<221> misc\_feature

<222> (384)..(422)

<223> n=unknown

<400> 2192

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tcatatatac cagtgccttg aatgcaagca aaacttctgt gaaaacttag ctcttattat      120
gtgtgagaga ncccatactg gggagaaacc ttataaatgt gatatgtgtg agaaaacctt      180
tgtccaaagc tcagatctta cttcacacca gaggatccac aattacgaga aaccttataa      240
atgtagcaaa tgtgagaaga gcttttggca tcacttagcg ctttcaggac atcagagAAC      300
acatgcaggt aaaaaattct atacatgtga catttgtggc aagagttttg gtcagagttc      360
tgatctgctt gtccaccagc gganncatta ctgggcgaga aaaccatata tatgtagtgg      420
antgtgacaa aatgc                                         435
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<210> 2193

<211> 288

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (17)..(282)

<223> n=unknown

<400> 2193

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ttaaaaagta aaagtananc aatcatTAAG tagttcanat agaagaaaag natenntacc      60
tganttaccc atcangtcta cncngacca ncctagnttc tcccagacac aancttctgg      120
gtatctaaaa aactatTTTc atactgattt catntaaagt cctctctacc atatgaggca      180
actaantatg annanagtct tctcatacat agtatatgnn catagantct nanccacaat      240
taaattctctc antgnagaac aggctttttn gggcctgata anacagga                    288
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<210> 2194  
 <211> 225  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (210)..(217)  
 <223> n=unknown

<400> 2194  
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 ggccctggtc ttgaaaaaag tgaccttcct agggagcaga tgccttagct attagagagc 120  
 tcagacagtt gcttctcttc tgaaatcctc ctgtaaatct gaacattagc atcaggggtct 180  
 aagaggaggt aggagatagg agagaacccn nngggtnagg gcaga 225

<210> 2195  
 <211> 460  
 <212> DNA  
 <213> homo sapiens

<400> 2195  
 tgaaatgcac actttcatta tgaattgtct tatgttattt cttcttcata ttccagttag 60  
 ggcattatgc tgatgtgtat tcatctaata cgtgtaggag gtgatactat ctatgattct 120  
 aatttcgggc gaggaagga gacattatgt aattgtttgt tactaaaatg ggccttgggg 180  
 atcacagggt cagggaccac catgtgcatt tgctcagcag agcagagctt tctgcaaaga 240  
 gtctttcaca gggccccatc tcagcgagca acagttcaga gacccccttc tcctggaatg 300  
 cagaggcaat ttttcttca tcttttctca ctaaaatata tttctgacct tcctacggag 360  
 acaaccgctt cttttgcaca ataaaacat tgttgtctac ctatcatcaa ccatccactt 420  
 tcagagttcc cctgcctgt tgggctcagg caaaaacttt 460

<210> 2196

<211> 466

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (289)..(420)

<223> n=unknown

<400> 2196

gacagagctg gcctggagtc cgcggctggc cgcgtgagta ggtgattgtc tgacaagcag	60
aggcatgagc tgggtccagg ccacctact ggcccagagg ctctgtaggg cctggggagg	120
cacctgcggg gccgccctca caggaacctc catctctcag gttcctttgc ccaaagactc	180
aacaggtgca gcagatcccc ccagcccca catcgtagga atccagagtc ccgacagca	240
ggccgccctg gccgccaca atccagcccg gcctgtcttt gttgagggn ccttctccct	300
gtggctccgc aacaagtgtg tgtattacca catcctcana gctgacttgc tgcccccgga	360
agagagggaa tggaagaaac gccggaggag tggaaactct actaccgat gcagtgggan	420
ctggagtatg tgaaggagtg gctggggaca acttacgagt ttgaca	466

<210> 2197

<211> 516

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (9)..(176)

<223> n=unknown

<220>

<221> misc\_feature



<222> (278)..(479)

<223> n=unknown

<400> 2197

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nntncntntg ttttngnggn gtgtgtgatt nngcgnacac ncnntctan actaacagtg 120
nccctgccct ttttatttga attcggagaa ccnagaggcg nctgcagatt ctggangggg 180
ctcgcctgcc catcgctggc agcccgagat cctggggagg ggatgccata ctgctagaga 240
tgagggaaga gagccccaag caggaaaaca ttgatttntc gtacactcaa agggcatctc 300
atgccttcag tccancgcct cctcgggcca cagcccgctc cctcgcgccg gctcagacta 360
gctctggnc c tgcctgctgtc ggtgcagggt gtcgtnttct tcttggtggg cctnnggcag 420
ggcgcgntcc tnnagnctg cagagnatgt ctggagctcc cngtggacn cggcgangng 480
gaagaccacg gggatctggg ccagggttgg ggttgg 516
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<210> 2198

<211> 567

<212> DNA

<213> homo sapiens ,

<220>

<221> misc\_feature

<222> (478)..(478)

<223> n=unknown

<400> 2198

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gccacctgga gctaccgggc cagccgctca acaactacca catgaagacg ctgctgctgt 60
acgagtgcga gaaacaccca cgagaaacgg actgggacga gtcgtgcctg ggcgaccggc 120
tcaacggcat cctgctgcag ctcactcct gctgcagtg ccgccgctgc cctcactact 180
ttctgccccaa cctcgacctc tttcagggca agccccattc ggccctggag agcgtgcca 240
agcagacctg gaggttggcc agggaaattc tcaccaatcc caaaagcctg gacaaactat 300
agggtgctgg ggactgcttg aaaagcgaca caaacgggcg tgctctctca gacacacaac 360
tcagctataa acagcagaaa ctctggacac aaacttttat gtaagtcacc tgaaatagga 420
```

atccggcaga agaccttcat taattaagaa gcaaacaaaa agagagcaac ccaaccanaa 480  
 caaatcacat tcttgacaaa aagtgatcgt tttcttccaa acaatgtgaa tttaaaaggt 540  
 cacacaaaag aagcaatcgg gctccgc 567

<210> 2199

<211> 367

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (281) .. (281)

<223> n=unknown

<400> 2199

agctcagggt gagggtagag gttcaggaga gggaggagca cagtctgaca ttggcactga 60  
 gaacgtttta catcagtaaa actttttttt aaaagagaaa ttttacatat agttaaataa 120  
 ttttttctact tgggtgacaac attcaggcaa ccaaagcaa aacgaaatgg ggggggggatg 180  
 ggggtggagag aaaaaggata ggggggaaaga aggaaaaggg gggggaacta ctatacattg 240  
 atttgaaaat gtaccttggg tttcattttg tgggtggcgga nccgattgct tcttttgtgt 300  
 gaccttttaa attcacattg tttggaagaa aacgatcact tttgtgcaag aatgtgattt 360  
 gttttgg 367

<210> 2200

<211> 473

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (339) .. (374)

<223> n=unknown

<400> 2200  
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tcttgggtggc agcgggaaca ggtgcccact cccaggttca gctggtgcag tctggagctg 120  
aggtgaagaa gcctggggcc tcagtgaagg tctcctgcaa ggcttctggt tacaccttca 180  
ccagcttttg tatcagttgg gtgcgacagg cccctggaca agggctggag tggatgggct 240  
ggattaacac ttacaatggt gacccagcct atgcacagaa cgtccaggac agagtcacca 300  
tgaccacaga cacatccacg aacacagcct actttgggna aggggggttg ggaaaagggg 360  
gggggnaaag gggnccccct tggaagaata ccgaacggaa caccgggcaa atcctattta 420  
cttgtgagag gatgaccagc agctggtacg atcttgctt ctggggccag gga 473

<210> 2201

<211> 452

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (289)..(289)

<223> n=unknown

<220>

<221> misc\_feature

<222> (409)..(443)

<223> n=unknown

<400> 2201  
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cgccaagcgg tcgatggtct tctgtgtgaa ggccagcggc agggcctcgt ggcccaccat 120  
gcaggagaag gtgtccccct tcttccagtc ctgggtgcc acgcgcagta tgctggtcac 180  
agcgaaggtg gtggtgccct ggctgggctc ctgccgggat gcccaagtca ggtacttctc 240  
gcggggcagc tctgtgacc cctgcagcca gcgaaccagc acgtccttng ggctgaagcc 300

gcgtgccagg cacgtcagcg tcaccagctc gttcagggcc agtcctccg acggcggcgg 360  
 caacaggtgg acctcgggcc ggaatgtgtt tccggatttt gagagggtn gggtagcgg 420  
 ggtcttgga ctcggggtagg cancagttca ag 452

<210> 2202

<211> 459

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (336)..(446)

<223> n=unknown

<400> 2202

cagcttcgag atcagtgcat tgttgatgac atcacttaca atgtgaacga cacattccac 60  
 aagcgtcatg aagaggggca catgctgaac tgtacatgct tcggtcaggg tcggggcagg 120  
 tggaagtgtg atcccgtcga ccaatgccag gattcagaga ctgggacggt ttatcaaatt 180  
 ggagattcat gggagtgtat gtgcatggtg tcagatacca gtgctactgc tatggccgtg 240  
 gcattgggga gtggcattgc caacctttac agacctatcc aagctcaagt ggtcctgtcg 300  
 aagtatttat cactgagact ccgagtcagc ccaactccca ccccatccag tggaatgcac 360  
 cacagncatc tcacatttcc aagtacattc tcaggtggng acctanaaat tctgtaggcc 420  
 gttggnagga actaccatan caggcnactt aaactccta 459

<210> 2203

<211> 489

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (104)..(104)

<223> n=unknown

<220>

<221> misc\_feature

<222> (365)..(482)

<223> n=unknown

<400> 2203

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actggtggct tcagaagaaa ttctcaacac ctagctcgcc aganagtcta tgtatgggat      120
tgaacaatct gtaaaactaaa ggatcctaata catgaaaata agtatgataa attataagtc      180
actattggca ctggtgttta tattagcctc ctggatcatt tttacagttt tccagaactc      240
cacaaagggt tggtctgctc taaacttata catctccctc cattactgga acaactccac      300
aaagtcctta ttccctaaaa caccactgat atcattaaag ccactaacag agactgaact      360
cagantaaag gaaatcatag ngaaactagn tcagcagatc ccaccagac ctttcacca      420
cgtgaacanc accaccagnn ccacacatag cacagccacc atcctcaacc ctggggatac      480
gnactgcag                                     489
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<210> 2204

<211> 506

<212> DNA

<213> homo sapiens

<400> 2204

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tcccattgat aagaattaaa tgttcaaaaa gtttgtggat tactagagaa tgggcactgt      60
ctctaaatga attcacagat cctttcccca aaggctctta ctaaagacac ccaaaattaa      120
tacactcaca agacttttct ttggatcagt atataggcca aatcacataa tttgcacagg      180
tagtctcaag aagtaattat ttttaccttt caaagaggct cttttcttgt ttgctaagat      240
aagaaacttt cttgttctta gaatacatgt gagtgagtgc agcacagggc atgtgttgag      300
gcctcacaca gtagaagcct tcttgggtctc tgttgtccag gtactggcac aattcagcat      360
ttgtgttttag gatcaggcca cattcagagt ggacttggga agtgccattg acaaactggc      420
cagtgaagat caccctgtca tagccttggt tccttgcaact ccagagagct gacaccccct      480
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tcactgggggt ggatgagcag cagaga

506

<210> 2205

<211> 447

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (388)..(388)

<223> n=unknown

<400> 2205

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cagaggtgaa aaagcccgga gagtctctga agatctcctg taagggttct ggatacagct	180
ttaccaacca ctgcatcgac tgggtgcgcc ggatgcccg gaaaggcctg gagtggctgg	240
ggatctactg gcctggtgac tctgatatca gatgtaggcc gtccttctaa ggccagggtca	300
ccatctcagc cgacaagtcc atcaccaccg ccacctgcag tggagcagcc tgaaggcctc	360
ggacaccgtc atgtattact gtgcggancg ccccggccca caacacagtg gtggtagttg	420
agacataaag tggggcgata cagttaa	447

<210> 2206

<211> 413

<212> DNA

<213> homo sapiens

<400> 2206

ccaccactgt gttgtgggcc ggggcggctc cgcacagtaa tacatgacgg tgtccgaggc	60
cttcaggctg ctccactgca ggtggcgggtg gtgatggact tgtcggctga gatggtgacc	120
tggccttaga aggacggcct acatctgata tcagagtcac caggccagta gatccccagc	180
cactccaggc ctttcccggg catccggcgc acccagtcga tgcagtgggt ggtaaagctg	240
tatccagaac ccttacagga gatcttcaga gactctccgg gctttttcac ctctgtcca	300

gactgcacca gctgcacctc ggcacagact ccttgagaa cagccaggag gagggcgagg 360  
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<210> 2207

<211> 420

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (12)..(164)

<223> n=unknown

<400> 2207

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gcaantcaga gcattagcac ctannctagt tggcttcagc agnnaccagg gaaagcccct 180  
aagctcttga tctttgctgc atccagtttg caaagtgggg tcccatcaag gttcagtggc 240  
agtggatctg ggacagattt cactctcacc atcagcagtc tgcaacctga agattttgca 300  
acttactact gtcaacagag ttacaatacc ccgatcacct tcggccaagg gacacgactg 360  
gatcttaaac gaactgtggc tgcaccatct gtcttcacat tcccggcac tcgatgagcag 420

<210> 2208

<211> 532

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (299)..(370)

<223> n=unknown

<220>

<221> misc\_feature

<222> (522)..(522)

<223> n=unknown

<400> 2208

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aaaggatggg aggggggtcag gctggaactg aggagcaggt gggggcactt ctccctctaa    120
cactctcccc tggtgaagct ctttgtgacg ggcgagctca ggccctgatg ggtgacttcg    180
caggcgtaga ctttgtgttt ctcgtagtct gctttgctca gcgtcagggt gctgctgagg    240
ctgtagggtg tgctcttgct gtctgctct gtgacactct cctgggagtt acccgattng    300
agggcgttat ccaccttcca ctgtactttg gcctctctgg gatagaagtt attcagcagg    360
cacacaacan aggcagttcc agatttcaac tgctcatcag atggcgggaa gattaagaca    420
gatggtgcag ccacagtttc gtttaagatt cagtcgtgtc cctttgccga agtgatctgg    480
gtattgtaac tctgttgaca gtagtaagtt gcaaattctc angttgcaga ct          532
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<210> 2209

<211> 437

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (20)..(20)

<223> n=unknown

<220>

<221> misc\_feature

<222> (272)..(283)

<223> n=unknown



<400> 2209  
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 gctctggaag caactccaac attgggaata attatgtatc ctggtaccag cagctcccag 180  
 gagcagcccc caaactcctc atttatgaca ataataggcg accctcaggg attcctgacc 240  
 gattctctgg ctccaagtct ggcacgtcag cngccctggg cancaccgga ctccagactg 300  
 gggacgaggg cgattattac tgcggaacat gggatagaag actgagtgtt ggggtgttcg 360  
 gcggagggac caagctgacc gtcctaggtc agcccaaggc tgccccctcg gtcactctgt 420  
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<210> 2210

<211> 602

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (584)..(584)

<223> n=unknown

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 ccactgtctt ctccacggtg ctcccttcat gcgtgacctg gcagctgtag cttttgtggg 180  
 attccactg ctcaggcgtc aggtcaggt agctgctggc cgcgtacttg ttggtgcttt 240  
 gtttgaggag tgtggtggtc tccactcccg ccttgacggg gctgctatct gccttccagg 300  
 ccactgtcac ggctcccggg tagaagtcac ttatgagaca caccagtgtg gccttggttg 360  
 cttgaagctc ctcagaggag ggcgggaaca gagtgaccga gggggcagcc ttgggctgac 420  
 ctaggacggg cagcttggtc cctccgccga acacccagc actcagtctt ctatcccatg 480  
 ttccgcagta ataatcgccc tcgtccccag tctggagtcc ggtgatgccc agggcggtg 540  
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<210> 2211

<211> 290

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(280)

<223> n=unknown

<400> 2211

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cagtctgggg ctgaggtnaa gaagactggg gcctcagtga aggtntcatg taagacttct 180

ggatatgant tcatcgcta ctatatgcac tgggtgagac angnccttg acaagggtt 240

gagtggatgg gacggatcaa ccctaact ggtgacanan actatgcaca 290

<210> 2212

<211> 411

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (398)..(411)

<223> n=unknown

<400> 2212

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tcgtggccca ccatgcagga gaaggtgtcc cccttcttcc agtcctcggc tgccacgcgc 180

agtatgctgg tcacagcgaa ggtggtggtg ccctggctgg gctcctgccg ggatgccccaa 240  
 gtcaggtact tctcgcgggg cagctcctgt gacccttgca gccagcgaac cagcacgtcc 300  
 ttggggctga agccgcgtgc caggcacgtc agcgtcacca gctcgttcag ggccagctcc 360  
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<210> 2213

<211> 453

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45)..(120)

<223> n=unknown

<220>

<221> misc\_feature

<222> (396)..(396)

<223> n=unknown

<400> 2213

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 gcggcggtg gagcctcatc tttcgctgtg tattctcttt ggaaaaccga tgtgatcctt 180  
 gatcgaaaaa aaaatccaga accttgggaa actgtggacc ctactgtacc tcaaaagctt 240  
 ataacaatca accaacaatg gaaaccatt gaagagttgc aaaatgtcca aagggtgacc 300  
 aaatgacgag ccctcgcttc tttcttctga agagtactct ataaatctag tggaaacatt 360  
 tctgcacaaa ctagattctg gacaccagtg tgcggnaatg ttctgctaca tttttagggc 420  
 tgctacattt ttgggctctg gataaggaat taa 453

<210> 2214

<211> 540

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (519)..(519)

<223> n=unknown

<400> 2214

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aggactcacc atggagttgg gactgagctg gattttcctt ttggctatatt taaaaggtgt    120
ccagtgtgaa gtacaattgg tggagtctgg gggaggcttg gtacagcctg gcgggtccct      180
gagactctcc tgtacagcct ctggattcat gtttgatgat tatgccatgc attgggtccg      240
gcaagctcca gggaagggcc tggagtgggt ctcaagtctt ccttcgaata gcggtacata      300
ggctacgagg actctgtgaa aggccgattc accatctcca gagacaacgc caagaactcc      360
ctgtttctgg aaatgaacag tctgagagtg gacgacacgg cttgtatta ctgcacaaaa      420
ggagggggggc cttatagcag ctccctctggg tactaccttg actactgggg ccagggagtc      480
ctggtcaacg tctcctcagc atccccgacc agccccaang tcttcccgt gagctctgca      540
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<210> 2215

<211> 269

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (236)..(236)

<223> n=unknown

<400> 2215

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acattgacat gggtagggttt acccgccaag cggtagatgg tcttctgtgt gaaggccagc	120
ggcagggcct cgtggccac catgcaggag aagggtgtccc ccttcttcca gtcctcggt	180
gccacgcgca gtatgctggt cacagcgaag gtggtggtgc cctggctggg ctctnccgg	240
gatgccaag tcaagtactt cttagcggg	269

<210> 2216

<211> 543

<212> DNA

<213> homo sapiens

<400> 2216	
gccccagccc cagaattccc aggagtttcc attcggatgat cagcactgaa cacagaggac	60
tcaccatgga gtttgggctg agctggggtt tcttgttgc tattataaaa ggtgtccagt	120
gtcaggtgca actagtggag tctgggggag gcttgggtcaa gcctggaggg tccctgagac	180
tctcctgtgc agcctctgga ttcacattca gtgactcctt catgagttgg atccgccagg	240
ctccaggaaa ggggcccagc tggcttgcac acattagtag cgatagtacc atcatatact	300
acgcagactc tgtgaagggc cgattcacca tctccaggga caacgccgac aactcactgt	360
acctgcaaat gaacagcctg agagtcgaag acacggccgt gtatttctgt gcgagtcacg	420
aaccaattgg aacgacggct gcttttaata tctggggcca agggacaatg gtcaccgtct	480
cttcagcatc cccgaccagc cccaaggtct tccgctgagc tcgacagcac cccccaagat	540
ggg	543

<210> 2217

<211> 374

<212> DNA

<213> homo sapiens

<400> 2217	
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attgacatgg gtgggtttac ccgccaagcg gtcgatggc ttctgtgtga aggccagcgg	120
cagggcctcg tggccacca tgcaggagaa ggtgtcccc ttcttccagt cctcggtgct	180
cacgcgcagt atgctggtca cagcgaaggt ggtggtgccc tggctgggct cctgccggga	240
tgcccaagtc aggtacttct cgcggggcag ctctgtgac ccctgcagcc agcgaaccag	300

cacatccttg gggctgaagc cacgtgccag gcacgtcagc gtcaccagct cgttcagggc 360  
cagctcctcc gacg 374

<210> 2218

<211> 573

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (24)..(177)

<223> n=unknown

<400> 2218

aggatccgcg gaaaaccacg agcnggctcn cagggaagcc aaggagaccc tgcagaagcn 60  
gcccgangag atccaaagag acatcctact ggagaagaag aaggtggccc aggaccagct 120  
gcgtgacang gcgccgttca gaggcctgcc cccggtggac ttcgtgcccc caatcgnggt 180  
ggagagcccg gagcccgccg acgccgccat ccgcgagaaa agggcaaaga tcaaagagat 240  
gatgaaacat gcttgggaata attataaagg ttatgcctgg ggattaaatg aactcaaacc 300  
tatatcaaaa ggaggccatt caagcagttt gtttggtaac atcaaaggag caactatagt 360  
agatgccttg gatacacttt ttattatgga aatgaaacat gaatttgaag aagcaaaatc 420  
atggggtgaa gaaaatttag attttaatgt gaatgctgaa atttctgtct ttgaagtaaa 480  
tatacgcttt gttggtggac tactctcagc ctactatctg tctggagaag agatttttcg 540  
aaagaaagca gtggaacttg gggtaaaatt gct 573

<210> 2219

<211> 315

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (28)..(263)

<223> n=unknown

<400> 2219

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ctccagtgga agaagatcgt cgctcagann atattaggta cnatatttc aatgtctctg      120
nnacnnagan actcngctgn acatcatcat nactctcatn naganggnnn acatcccttn      180
ggcctgaata ncctccattc actctgcaat ggntttccaa ggcctctacg gcttcccagg      240
cccatttcct gtactttggn tentgagtca gtctccacat atacatgtaa gtctccataa      300
cttctggccg taaga                                                         315
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<210> 2220

<211> 276

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (64)..(182)

<223> n=unknown

<400> 2220

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tggntctcag gtgccagatg tgacatccag atgaccaggt ntccatcctc cctgtntgca      120
tctntagtag acagagtcac catcacttgc caggcgagtc aggacattag caactattta      180
anttggtatc agcagaaaacc agggaaagcc cctaagctcc tgatctacga tgcaccaat      240
ttggaaacag ggggcccatc aaggttcagt ggaagt                                                         276
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<210> 2221

<211> 228

<212> DNA

<213> homo sapiens

<400> 2221

atggacatga gggccccgc tcagctcctg gggctcctgc tgctctggct cccaggtgcc 60  
aaatgtgaca tccagatgac ccagtcctcct tccaccctgt ctgcatctgt aggagacaga 120  
gtcaccatca cttgccgggc cagtcagagt attagtagct gggtggcctg gtatcagcag 180  
aaaccaggga aagcccctaa gctcctgata tataaggcgt ctagttta 228

<210> 2222

<211> 317

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (154)..(247)

<223> n=unknown

<400> 2222

tgataatatg tcttcattga gcaagtgaca ataggaaacc cccagaaatt gtgtgcactg 60  
ttttgectga tctcacacac tttggacaga gactttgata acattcttag gggcccacaa 120  
atggtcaaaa acctctgaac tgagacagca gcannnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnncca ttaatgggta aagtatttag ggatttccca gaggccttag ggaccctta 300  
aaaaatgggg ttaccca 317

<210> 2223

<211> 409

<212> DNA

<213> homo sapiens

<400> 2223

gtttgaaata gtcattaaa cagttccaca aatagatat caacatgcat aaacaatgct 60



cttgatacca cttcaaacat ttttaagaca gggtatgaat tagccttggt ttgaactagt	120
gttatagatg gctagggagt taccaaatat ttagactact gaaaaggcta aatggatatt	180
aattgtagta atttgattat taatctttat aagtaaataa gaacctctac taaaagatgt	240
gtttccaagg gtttttaaca aataggttgt ctacggccat accaccctga acgcgcccga	300
tctcgtctga tctcggaac aaataggttt acatgagagc atataaacct ataaaagttg	360
aatcaattgg ctaaccacat ttttgaagag gtccataagg catctgaga	409

<210> 2224

<211> 402

<212> DNA

<213> homo sapiens

<400> 2224

attcttccca cccccagtga agcagaagaa gtggcagggc ctgcaggaga tgaggctgcc	60
gagccctgag cttgagctga gcaagcttcg aacctctgcc atcaggacag cccccaatcc	120
ctattattgc caggtggggc ttggcccggc ccagtcctgg cctctgccac caggtgtcac	180
cgaggtttcc ccagccaatg ttactctgct cagagccctg ggccatgggtg cctttgggga	240
ggtgtatgag ggactggtaa ttggccttcc tggggactcc agtcccctgc aggtagctat	300
caagaccctg ccagaactct gctcgccctca ggatgagctg gatttcctca tggaggccct	360
catcatcagc aagtttcgcc atcagaacat tgtgcggtgt gt	402

<210> 2225

<211> 528

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (80)..(80)

<223> n=unknown

<220>

<221> misc\_feature

<222> (456)..(508)

<223> n=unknown

<400> 2225

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acctggggtg tgtgtaaggn ggctctggc cccaagatca aaagctggaa gtggctgggc 120
ccttccttgg gaggcctggg ctggtttcca gcatggcaag tgcagcgctg ccaggccagc 180
cccgagacag gccagacac acagcacaga ctgcaggga cagaggccgc tggcataaca 240
ggccaccag gagcctgagg agtataggga gggaccctca gtgcctcagt ccttaccctc 300
agggcccctt ggggctcagg agcgataagt gggattccaa aggttctgag gttggaggcc 360
cctggatttg aggggcttga ggccagagga cagccagggg ccaagagggc tacctcccca 420
gcttttcaac ttctctggac tcagttctgg ggtgtngggg tcttagggac tccaaagatc 480
tgttcccag ccagaagtc ctctctctc tgggttgcc cagctcat 528
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<210> 2226

<211> 291

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(46)

<223> n=unknown

<400> 2226

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caagtatgag tcttgcatth aaaacttcat agtacaaaaa actccacca cattgcacag 120
tgcttttcca aatcaatagc tttgtggcca tgataagggt ggtaccactt cactccgtgt 180
cctcagttag gaaactgagg cacagaatgg caagtgactg agcatcagca caatgagtca 240
gtgccttatt cctgctctgt ctcactttaa gacatcaagt tgctcatctg a 291
```

<210> 2227

<211> 509

<212> DNA

<213> homo sapiens

<400> 2227

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cccctgcagc aggggagggg agggcgtagg gaggtgggag cccctccac cagcctgaga      60
ccgctctctg cctctctcct ctctctctct ctccagcatc tcaccactt tctctccttc     120
tcaatctcct gctcccacct ccagcacctt cggggattcc ctcttgtagc cctgctttc      180
taagtccacc ctgggctggg gaaaggaaag taagagacca cggggacaat ttcaagcccc     240
ccagtctcca caggggctag tccccctggc tacctgctg gctttctctc tctgggcta      300
ggggctgggg aggtctgcgg ggctcagtc tggccctgca gtatcccaac accctgctct     360
ggggctgtct ccagagccaa aggctagtgc ctgaggtcac agagggtggga gggacagggc     420
caccgctccc gcttgggctc catccagcac aagaagccag gctcactcac tggccaaaca     480
gccaagggct cacagcttgg ggtccgcag                                     509
```

<210> 2228

<211> 466

<212> DNA

<213> homo sapiens

<400> 2228

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acctcagaag ttattatgcc agctggtacc agcagaagcc aggacaggcc cctgttcttg      60
tcatgtatgg taaaaacaac cgccctcag ggatcccaga ccgattctct ggctccttct     120
cgggaaacac agcttccctg accatcactg gggctcaggc ggacgatgag gctgactact     180
attgtaactc ccgggacagc agtggttaacc gtctcggtgt ggtcttcggc ggagggacca     240
agctgaccgt cctaggtcag cccaaggctg cccctcggt cactctgttc ccgccctcct     300
ctgaggagct tcaagccaac aaggccacac tgggtgtgtct cataagtgac ttctaccgag     360
gagccgtgac agtggctgga aggcagatag cagccccgtc aaggcgggag tggagaccac     420
acacccttcc aaaacaaagc aacaacaagt acgcggcaag cagcta                      466
```

<210> 2229

<211> 405

<212> DNA

<213> homo sapiens

<400> 2229

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gcagggagaa gggcttgatg ccttgggggtg ggaggagaga cccctcccct gggatcctgc      60
agctctagtc tcccgtggtg ggggggtgagg gttgagaacc tatgaacatt ctgtaggggc      120
cactgtcttc tccacggtgc tcccttcatg cgtgacctgg cagctgtagc ttctgtggga      180
cttcactgc tcaggcgta ggctcagata gctgctggcc gcgtacttgt tgttgctttg      240
tttgagggt gtggtggtct ccaactccgc cttgacgggg ctgctatctg ccttccaggc      300
cactgtcacg gctcccgggt agaagtcact tatgagacac accagtgtgg ccttgttggc      360
ttgaagctcc tcagaggagg gcgggaacag agtgaccgag ggggc                          405
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<210> 2230

<211> 365

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (219)..(313)

<223> n=unknown

<400> 2230

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gtcttgggcc cagtctgccc tgactcagcc tgcttccgtg tctgggtctc ctggacagtc      120
gatcaccatc tctgcactg gaaccagcag tgatgttggg agttttgact ttgtctcgtg      180
gtatcaacaa caccaggga aagcccccaa agtcatgant tatgaggtca ctaagcggcc      240
ctcaggggtt cctaategct tctctgcctc caagtctggc agcacggcct cctgacaat      300
ctctgggctc cangctgagg atgaggctta ttattactgt cctcatttgt acgtagtagc      360
acttc                                             365
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<210> 2231  
 <211> 470  
 <212> DNA  
 <213> homo sapiens

<400> 2231  
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 gtctcccgtg gtgggggggtg aggggtgaga acctatgaac attctgtagg ggccactgtc 120  
 ttctccacgg tgctcccttc atgcgtgacc tggcagctgt agcttctgtg ggacttccac 180  
 tgctcaggcg tcaggctcag atagctgctg gccgcgtact tgttggtgct ttgtttggag 240  
 ggtgtggtgg tctccactcc cgccttgacg gggctgctat ctgccttcca ggccactgtc 300  
 acggctcccg ggtagaagtc acttatgaga cacaccagtg tggccttggt ggcttgaagc 360  
 tcctcagagg agggcgggaa cagagtgacc gagggggcag ccttgggctg acctaggacg 420  
 gtcacttggt ccctccgccc aataacacag aagtgtact aacgtacaaa 470

<210> 2232  
 <211> 397  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (145)..(145)  
 <223> n=unknown

<400> 2232  
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 agcaggcttc tccttgcctt tccctcccc acaaccctga acccctgcct ctcctctgac 180  
 agggcctctc atcatgccta tgcccacttc acctctgact cctgccttgg ttacaggagg 240  
 tggaggcccg aaaggtcgca ccaagagaga agtgctgcca acaccaaccg cccagccct 300  
 ggcgggcacg agaggaaatg gtgaccaagc tgcagaattc agagaggaag aagcgagggg 360

cacggcgctg agacagagtg gaggtaagga gtcgggg

397

<210> 2233

<211> 387

<212> DNA

<213> homo sapiens

<400> 2233

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cattcccagc ctctcactcc ccattcttga cttttgctag ggttggaggc gctttcttgg 120  
tagcccctca gagactcagt cagcgggaat aagtcctagg ggtggggggg gtggcaagcc 180  
ggcctggatc ctgtcctggg tcttccttcc tccgcagtcc cgtctctatt gctgggtgta 240  
gtgtccatgg tctggcctca tctggggggg gaggaaaagc aggtggtaaa agggacagag 300  
atctgggttc taattctgcc tctcccactc acttgatttg tgactccagg gaaggaccca 360  
acctctctat ctcaatttct gtctctg 387

<210> 2234

<211> 370

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (94)..(94)

<223> n=unknown

<220>

<221> misc\_feature

<222> (266)..(341)

<223> n=unknown

<400> 2234

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cgcgagcgcg ccggccccgca gttggcctgc ggangcggcg gacggtttgg cgcccaccag 120  
gcgatcaata ctttggattt ttaattttcta gatttggcaa ttcttcgctg aagtcacat 180  
gagctttttc caactcctga tgaaaaggaa ggaactcatt cccttgggtg tgttcatgac 240  
tgtggcgcg ggtggagcct catctntcgc tgtgtattct ctttggaaaa ccgangtgat 300  
ccttgatcga naaaaaaatc cagaaccttg ggaaactgtg ngacctactg tacctcaaaa 360  
gcttataacc 370

<210> 2235

<211> 515

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (158)..(158)

<223> n=unknown

<220>

<221> misc\_feature

<222> (282)..(491)

<223> n=unknown

<400> 2235

aaaatgtaga caaacctaa aaatgtagca gaagcatttc cgcacactgg tgtccagaat 60  
ctagtttgtg cagaaatggt tccactagat ttatagagta ctcttcagaa gaaagaggcg 120  
agggctcgtc atttggtcac cctttggaca ttttgcant cttcaatggg tttccattgt 180  
tggttgattg ttataagctt ttgaggtaca gtagggcca cagtttccca aggttctgga 240  
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gctccacccg ccgccacagt catgaacacc accaaggga tgagttcctt ccttttcatc 360  
aggagttgga aanagctcat gatgacttca gcgaagaatt gccaaatcta gaaattaana 420  
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515

<210> 2236

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<222> (240)..(364)

<223> n=unknown

<400> 2236

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aaaccacag gtgtcttcct tggctcccga aaagatcatt caatccatct tagttagacc	180
ctgggtgact gtgttgacga tcagaaggag aattacagtt cttatttggg atctgctttn	240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnataaaatt	300
gagggtttga accaggtccc ccgatttaaa gctctcttgc caagactttt caaccttacc	360
tgcnagaatc cccattctag aaaggagct ttttcagaga gcatggagac cccaagtta	420
tgtgaacaaa agtgattcct ttagtcgtct tcccaccaac aaagaaatgc ccgtggtgct	480
ccctttgtaa attccaccag tctcagctgt gggtgattcc acttgtaagc tgagatttgt	540
atgcggatga ggc	553

<210> 2237

<211> 492

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (323)..(323)



<223> n=unknown

<220>

<221> misc\_feature

<222> (459)..(459)

<223> n=unknown

<400> 2237

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ctggaacatc tcatcatcct gggctgctgg gatgggcaca aagccattgg agaggaaggt	180
gtagttgttg aagccctcca aaagcaagtc acttctcatc ttctccttgg ctccagcaat	240
catgtagtaa aagatgtgga atgtcctctc gtctctggct tggcgaattg cccgtgattt	300
ttctagcaga taggtctcaa tgntggctcc cacgatgtaa cccgtgacgt cgaagttgat	360
gcggatgaat ttgccgaatc gtgaggagtt gtcgttcttc actgttttgg cgttgccgaa	420
agcctccaga atcggggttg cttgtagaag ctgcttttnc agtcttcta aaattcattc	480
acatctagtt at	492

<210> 2238

<211> 519

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (506)..(506)

<223> n=unknown

<400> 2238

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agcaactcag agaacattcc atgctcacgt taatctcatc ttcagagaga acagagcaga	180

ttataaattg taacatccaa aagccaaact tccagtattc agcaaagaca gggacctcta	240
aatggcacag tcaacacaaa aatcccacac tatgtgtgcc actgcactac actctatgtg	300
acaggaaaat aaaagcaacc tcaggccttc aaccagataa cgaagcattg aagatgagct	360
gacagcccag aggagaggta gctgatggga agaggagaaa ctgggatgtt atctagaatc	420
ctgacactag gaggtcagtc agggaggggt agggaacctg caggcatctg gcatttagcc	480
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<210> 2239

<211> 156

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (132)..(132)

<223> n=unknown

<400> 2239

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aagaacaggc tccctgcatt gtgggctttt ctgagtgtgt acactccctc cttgtgtttc	120
tgatcgcaaa tnaatattta ttaccaatga tttatt	156

<210> 2240

<211> 334

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (267)..(267)

<223> n=unknown

<400> 2240  
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 actgacacac agcatgttct caagaaatgt ttgaatcaca gtacattgaa tcagtaacag 180  
 tctgactgac cccagggcag aaaatgcaga ggcatttttt ctctctattc cagatttcag 240  
 ctgtagctct tgtaattctc atattgnttt tcaatcacca gaattgattt ccctcatccc 300  
 tcttcccagg gtcactctca gtgaactgta ttaa 334

<210> 2241

<211> 354

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(339)

<223> n=unknown

<400> 2241  
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 ctaggtagca gtgagaacac aatnaaacaa caaaaagagc agaaanaant gccacanggt 180  
 gagagcacag agacttgttt atgaattcca attttaaaag ggcttataga aattcattgc 240  
 tanaacttca nccatgcaaa gccanttatg ctggaaataa tcctagtggc cacacgttct 300  
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<210> 2242

<211> 381

<212> DNA

<213> homo sapiens

<400> 2242  
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ttctcccacc tactgtatca taggagctta gattcccagc tgcttgctct cagctgcagt	120
tctctgatgg cttgcacagg gtggaccagc ccccttcctc tatgtgtgtg tctgctgctg	180
acctgtggct ttgccgaggc agggaaagcta ctggtagtgc ccatggatgg gagccactgg	240
ttcaccatga ggtcgggtgtt ggagaaactc attctcaggg ggcatgaggt ggttgtagtc	300
atgccagagg tgagttggca actgggaaga tcaactgaatt gcacagtgaa gacttattcc	360
aacttcatat accctggagg a	381

<210> 2243

<211> 629

<212> DNA

<213> homo sapiens

<400> 2243	
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tcaaattcag ctccatttga cataagcaat gattatcttc tcaaatacac caccaccaa	120
tttcatagca tcattctttt tccccaaagc aagaaatcat atgctgttct cagtgcactc	180
caagccattc attcatttca cctacactct aaaggtacaa agcttcctt ctttaaacac	240
acaaggtggc acctatgaag caggacagag atgaggactg accattattg gttaaggatc	300
aattgcaacc atctgcagaa gccaaaagat aagattaaaa ctgccatttg cagtaggggc	360
agcgggtggga ccacctttga atcccgcaact cccaacagg ccatgtttca gagtaagaaa	420
agtaatctag aatgccagcc tgtctgcacg tcctctgaaa aatggcacat gtcactctga	480
tcaaagacac cggaggggca cgatacatat tcaaatatct ttactgacta gcgagtctat	540
tatttttatt taagagaatt ttttaaagca ctctggggct gattaattta tgcaaagtat	600
ttccttaata agataaaatg aatttaaca	629

<210> 2244

<211> 448

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (437) .. (437)

<223> n=unknown

<400> 2244

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ccatgacaac tccatccagc tttcagaaat ggactcagat gggcaaaact gacctaaagct      180
gacctagact aaacaaggct gaactgggct gaggtgagct gaactgggct gagttgaact      240
gggttgagct gagctgagct gagctggcac gtgcactgct gcccaccccg agttgaagac      300
cccactaacc gccaacatca caaaatccgg tgggtccaga ccctgctcgg ggccctgctc      360
agtgctctgg tttgcaaagc atattccccg cctgcctcct ccctcccaat cctgggctcc      420
agtgctcatg ccaagtncag agggaaac                                         448
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<210> 2245

<211> 407

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (394) .. (394)

<223> n=unknown

<400> 2245

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caccatgcag gagaagggtg ccccttctt ccagtcctcg gctgccacgc gcagtatgct      180
ggtcacagcg aaggtggtgg tgccctggct gggctcctgc cgggatgccc aagtcaggta      240
cttctcgcgg ggcagctcct gtgaccctg cagccagcga accagcacat ccttggggct      300
gaagccgcgt gccaggcacg tcagcgtcac cagctcgttc agggccagct cctccgacgg      360
cggcggcaac aggtggacct cgggccggaa tgtntttcct ggagggt                      407
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<210> 2246  
 <211> 545  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (148)..(176)  
 <223> n=unknown

<400> 2246  
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 tgttgtcggg tgaatgagtg gacagatnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatag 180  
 attgatggac aaacagatga acagatgaat agctggatgg acaactggat ggatgggtag 240  
 acagaatgat ctgagagatc agaaaaagct tcatgcacta agtgggactg aaccgcgtct 300  
 ccatgggtag aaagcagagg aatctccact tgagtcagga atgacccagt gctctcaatc 360  
 cagggagaaa gccagcctgg cttcactggg gacacttggt tgggggactc agaggccctt 420  
 taaatgaggc cagacgaggt tggacaggtc caagccaact cagcactcct ctgccacact 480  
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 cagca 545

<210> 2247  
 <211> 528  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (402)..(493)  
 <223> n=unknown

<400> 2247  
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caggctcccg tgggtggggt tagagttggg aacctatgaa cattctgtag gggccactgt 120  
cttctccacg gtgctccctt catgcgtgac ctggcagctg tagcttctgt gggacttcca 180  
ctgctcgggc gtcaggctca ggtagctgct ggccgcgtac ttgttggtgc tctgtttgga 240  
gggtttggtg gtctccactc ccgccttgac ggggctgcca tctgccttcc aggccactgt 300  
cacagctccc gggtagaagt cactgatcag acacactagt gtggccttgt tggcttggag 360  
ctcctcagag gagggcgga acagagtgc agtgggggtg gncttgggct gacctgtgtg 420  
gacaggggaan ggggttaaag aaggagaca gaataaccgg ggtgtttgtg gagccccctc 480  
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<210> 2248

<211> 339

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (98)..(98)

<223> n=unknown

<400> 2248  
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cagagatctg tgcacacttt ctaaacagct tgtgatgcaa gtgtgagcct attgtgttac 180  
ttgaccttat tttggaagtt ttgaattggc ctaggaggaa acccagaaat gaaccagggg 240  
tatgtcatca cttttttcat atcaagtcct caacctcctt ccacataatg ctctatcctc 300  
taaggggtgga actctgaagt tggagaaggt ggaataaag 339

<210> 2249

<211> 87

<212> DNA

<213> homo sapiens

<400> 2249

aaaagaaaa gagaaagaaa aaaatgaagt attttagcat aggccatcca tcacaggggt 60

ttaggattgt ttctcctctc tggttga 87

<210> 2250

<211> 403

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (383)..(397)

<223> n=unknown

<400> 2250

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gtggtcccag ggcgcgacct tgggctgcca gaagccacgc tagggttggt caaggctctc 120

agtgcaaggt ttcgacatag tcgttctgtg ctgcgttctg cagttgtcag ctgtcacctg 180

caaacctcag cagctccctt tagggcgtgg tgggcaaaca gtgtcagtga tgcgtgtcca 240

cagcctcggg aaacacttca ggtccacgtt ttcgtatggt gtcactagat ctcggccctt 300

ccgaccgaaa gtttcggcac tcacgcggtg ggtcccatg cttgtcctgt taaatactct 360

tgaactctaa tctgtcctga tantgaataa tgcaagnatg ggt 403

<210> 2251

<211> 343

<212> DNA

<213> homo sapiens

<220>



<221> misc\_feature

<222> (264)..(326)

<223> n=unknown

<400> 2251

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gcaagtcttc atggggggtt ttcattcttt ttaggagcac aagtaatgta gccacagtca 120

ctgcagaaag aatgtctttg agagggacat tcttgtcatt tttattagtt gttcaacatt 180

gccacagaag tttgattttc tgtcagccag tacatagctg ccatttatcc attgcctgtc 240

agtaaatagt gattgaaaat tccnatgaac ncaggggtng gaatagcaga aacccaaaacn 300

ngcncngggc gnaaagagcn tnnnancaag cagggcagca aac 343

<210> 2252

<211> 462

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (47)..(53)

<223> n=unknown

<220>

<221> misc\_feature

<222> (187)..(237)

<223> n=unknown

<220>

<221> misc\_feature

<222> (341)..(361)

<223> n=unknown

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ctcgcttggg gcccgaaaca ggagaggccc gaatacttct accacatgga cgtctggggc 180  
aaagggncn ggggnatcnt ctcanctn ncccaganaa nccaaaggnt ttncnctg 240  
aggcctctgc agcaccagc cagatgggaa cgtggtcac gcctgcctgg tccagggctt 300  
cttccccag gagccactca gtgtgacctg gagcgaaacg nacagggcgt gaccgccaga 360  
nacttcccac ccagccagga tgcctccggg gaactgtaca ccacgagcag ccagctgacc 420  
ctgccggcca cacagtgcct agccggcaag tccgtgacat gc 462

<210> 2253

<211> 580

<212> DNA

<213> homo sapiens

<400> 2253  
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agtatgctgg tcacagcgaa ggtggtggtg ccctggctgg gctcctgccg ggatgcccc 240  
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cgacggcggc ggcagcaggt ggacctcggg ccggaatgtg tttccggatt ttgagaggg 420  
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gttccatggc tcggcacagc ccggcaggac actggacacg ctgtagcagc cacagaggtc 540  
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<210> 2254

<211> 433

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (43)..(168)

<223> n=unknown

<220>

<221> misc\_feature

<222> (335)..(359)

<223> n=unknown

<400> .2254

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aagatgcaga ttatttgtgg caggtgagat gagggcagtg gcgttantga gtgtctctct      120
ccttctcctt cattttttca cactttccca gactgcgttt cagttganga tgggtgctgg      180
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tccaggaagg aagcaaacct gcagtcatag tggatgagat tttaatatgg aaaaaccgta      300
ttaattctca taggagttgc aatactagta tgganaaacg agcagacctt ggtggctgnc      360
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<210> 2255

<211> 150

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(150)

<223> n=unknown

<400> 2255

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gaagntagga atgcgacact aacagtaa atcangctgctg actnataccc aaatcggact 120  
acaacaggac tgatnatnaa naaatccann 150

<210> 2256

<211> 357

<212> DNA

<213> homo sapiens

<400> 2256

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gatccctgtt tccgtatcca gtgcggacat tgtgatgacc cagactcctc tctctctgtc 120  
cgtcaccctt ggacagccgg cctccctctc ctgaactgtg gctgcaccat ctgtcttcat 180  
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taacttctat cccagagagg ccaaagtaca gtggaagggtg gataacgccc tccaatcggg 300  
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<210> 2257

<211> 272

<212> DNA

<213> homo sapiens

<220>

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<222> (251)..(251)

<223> n=unknown

<400> 2257

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taaagtcctt gaagattttc taggaccctg ggatcagtaa catttaacaa aagtcctctt 180  
tctctagaat ctctcggggg gggttaaatg tcatttcata tcagcaggaa agagaaccca 240  
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<210> 2258

<211> 354

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (278)..(345)

<223> n=unknown

<400> 2258

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caatgccgct gaccatcagg gacgttcggt cttgcacgtg gccgctacct acgggctccc      120
aggagttctc ttggctgtgc ttaactctgg ggtccagggt gacctggaag ccagagactt      180
cgagggcctc acccgcctcc acacggccat cctggccctt aacgttgcta tgcgcccttc      240
cgacctctgt ccccggtgct tgagcacaca ggcccganac aagctggatt gtgtccacat      300
gttgctgcaa atnggtgcta atcacaccaa ccaggagatc tagancaaca agac          354
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<210> 2259

<211> 473

<212> DNA

<213> homo sapiens

<400> 2259

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aagcagcact ggtggtgcct cagccatggc ctggaccgtt ctctctctcg gcctcctctc      60
tcactgcaca ggctctgtga cctcctatgt gctgactcag ccaccctcgg tgtcagtggc      120
cccaggaaaag acggccagga ttacctgtgg gggagacaac attgaaagta aaggtgtgca      180
atggtaccag cagaagccag gccaggcccc tgtgctggtc gtctatgatg atagcgaccg      240
gccctcaggg atccctgagc gattctctgg ctccaactct ggaaacacgg ccagcctgac      300
catcagcagg gtcgaagccg gggatgaggg cgactattac tgtcaggtgt gggatagtag      360
tactgatcat gtggtattcg gcggaggggac caagctgacc gtcctaggtc aacccaaagc      420
```

tgccccctcg gtcactctgt tcccggcctc ctctgaggag ctttcaagcc aac

473

<210> 2260

<211> 406

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (356)..(372)

<223> n=unknown

<400> 2260

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ccactgtctt ctccacggtg ctcccttcat gcgtgacctg gcagctgtag cttctgtggg	180
acttcactg ctccagcgctc aggcctcaggt agctgctggc cgcgtacttg ttgttgcttt	240
gtttggaggg tgtgggtggc tccactccc ccttgacggg gctgctatct gccttccagg	300
ccactgtcac ggctcccggg tagaagtcac ttatgagaca caccagtgtg gccttntngc	360
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<210> 2261

<211> 480

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (413)..(458)

<223> n=unknown

<400> 2261

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cttctgcttg ctggctgtag ctccaggtgc tcgcgcccag ttacacctgg tccagtctgg	120
ggctgaggtg aggaagcctg gggcctcagt gcaagtttcc tgcaaggcat ctgaacacac	180
cttcaccaac tactatatcc actgggtgcg acaggcccct ggacaaggac ttgagtggat	240
gggtttaatc aaccctagta gttccgctac tacctacgta cagaagttcc agggcagagt	300
caccatgacc agggacacgt ccacgagcac agtctacatg gagctgagca acctgagatc	360
tgacgacacg gccgtctatt actgtgcgat aataccgggg taacggtgac tannccatc	420
gccactact actatgggga tggacgtctg gggccaangg gaccacggtc accgtctcct	480

<210> 2262

<211> 393

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (119)..(139)

<223> n=unknown

<220>

<221> misc\_feature

<222> (289)..(389)

<223> n=unknown

<400> 2262

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ccatcctgta caacttcatg tgtaacagca gctgtgtagg gggcatgaac cggcggccnn	120
nnnnnnnnnn nnnnnnnnng gagatgcggg atgggcaggt gctggggcgc cggtcctttg	180
agggccgcat ctgcgcctgt cctggccgcg accgaaaagc tgatgaggac cactaccggg	240
agcagcaggc cctgaacgag agctccgcc aagaacggggc cgccagcang cgtgccttca	300
agcagagccc ccctgccgtc cccgcccttg gtgccggtgt gaagaagcgg cggcattggag	360
acgaggacac gtactacttc aggtgcgang ccg	393

<210> 2263

<211> 268

<212> DNA

<213> homo sapiens

<400> 2263

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ggccagagac tctccgaggc ggcggcagag acagaagagc ggggtcgggg ccggctgacc      60
aggaacctgg gcgagcagcg gcggggggccc gagggattct gaaggaagat ttccattagg      120
taatttgttt aatcagtgcg agcgaaatta agggaaaatg gatgtagaaa atgagcagat      180
actgaatgta aaccctgcag atcctgataa ctttaagtgc tctctctttt ccggtgatga      240
agaaaatgct gggactgagg aagtaaag                                     268
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<210> 2264

<211> 423

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (159)..(420)

<223> n=unknown

<400> 2264

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ctagtctttt aagaccaatc agtatgttcc ctggaaagat gaataagtct catgactaat      120
tttttaaaaa ttctttaaga caaagaaata actttcttnt ttactccca aagcacagta      180
tctcaacagc agcagccaac atggggggtt agcagcttaa ctttaccccc taaataaagc      240
tttgnataaa ccagtgagtt accacaaaaa acaccgtcct tgaaagaaag gagtggcagt      300
cagacatcaa tgcnaaactt ggaatgatta gataataaac atggcnctta caaaaggtag      360
cttattagaa tattccactt aagaagaggg tacttttctg tcctctcttg cccctcgan      420
aaa                                                         423
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<210> 2265

<211> 401

<212> DNA

<213> homo sapiens

<400> 2265

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aaaactcaga aaatacgtgg ttggagagct catctggaat ttgcccatt tcatgactaa      60
ccagttgggt gcagtggacc ccatcatgga gaagttcaac acatccagcc tacgaccagc     120
acctgtggga ggtggatatt caaggcagca gagcctacag ccggggcatg gagaaggcag     180
ggctcctcgc caaggccgag atggatggtt gtggttgagg agtgggcca gggcaccttc     240
aaactcaacc ccaatgatga ggacatccac acagccaaca agtgccacct gaagggtggtc     300
acggacctca ggttgtggat gtggcagacc tgcttcacgc tctcgggcct cctctgggag     360
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<210> 2266

<211> 560

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (530)..(530)

<223> n=unknown

<400> 2266

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cccctgtggg tggggtgggg gctggaacct atgaacattc tgcaggggcc actgacttct     120
ccacggtgct cccttcttgc ataacctggc agctgtagct tctgcgggac ctccactgct     180
cgggcgtcag gctcaggtag ctgctggcca cgtacttggt gttgctctgt ttggagggcg     240
tggctcttct cagctcttgg gtgatgaggg taccatctgc cttccaggtc accatcaaga     300
ttcccggata aagttattca tgagacacac cagtgtggcc ttgttggtt ggggctcctc     360
acaggacggc aggaacagaa tgaccgacgg ggtagtcttg ggctgacctt aaacagttag     420
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ctgggtccca ctgccaaaca catgcttcac tgaattatgc ttggattgaa acccccaggg	480
ccagcatctg gcgccagtc aggagccacg ctggagcagg aacactctgn ccaatcccca	540
tagtcctgat gagctccaga	560

<210> 2267

<211> 568

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (26)..(72)

<223> n=unknown

<400> 2267

aactgagccg cagcggcgta ccttantgtg tgccgcngtg cgctgcctt ggcacggnan	60
tatgancatg gnactgtcca gcgttgccaa ctaactgttt tcttcagtag agaaggtaga	120
gctccctggg caagaactgg caccgcttct gcctgaaatg tgagcgtgc cacagcatcc	180
tgccccctgg cgggcatgca gagcacaatg ggaggccata ctgccacaag ccatgctatg	240
gggctctctt tggacccagg ggggtgaaca ttggtggtgt aggtcctac ttgtacaatc	300
ccccactcc cagccctggc tgcaccactc ctctcagccc cagcagcttc agccctccca	360
ggccaaggac tggcctcccc caaggcaaga aaagccctcc ccatatgaag acattcactg	420
gggagacctc gctgtgccct ggtgtgggga gcccgctctat tttgctgaga aggtgatgtc	480
attaggcaga aattggcacc gaccgtgtct gaggtgccag cgttgccaca agaccctgac	540
tgctgggagt catgctgagc atgatgga	568

<210> 2268

<211> 345

<212> DNA

<213> homo sapiens

<400> 2268

tcaataaaca caagttttat gagtaccttg aagctccaga atgtgctggg gaaaggggtt	60
---	----

gtgatggcca ggaggaggat acccttcaaa acgggctgtt ccctaaccag atagaaatgg 120  
gaaagggaaa aaattggcag agaaagtcta gactctctgg cctaccatgg agcctaggcc 180  
caggccccca agatcccacc ttcccccaacc cccatgggac tggagatttt tgtagcttcc 240  
attggaccat gaggggcatg atgggaggcc tgagttaggg tgactttttt gtgagcgtct 300  
catttgaatt ttatcttcac tgggtcatag atgtagcagc ccaca 345

<210> 2269

<211> 520

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (246)..(269)

<223> n=unknown

<220>

<221> misc\_feature

<222> (370)..(370)

<223> n=unknown

<400> 2269

gctccggcct gggagggtgcg tcagatccga gctcgccatc cagtttcttc tccactagtc 60  
ccccagttg gagatctggg accaacaagg caccatggcg cagaagggcc aactcagtga 120  
cgatgagaag ttctctcttg tggacaaaaa cttcatcaac agcccagttg cccaggctga 180  
ctgggccgcc aagagactcg tctgggtccc ctcggaagaag cagggttcg aggcagccag 240  
cattannnnn nnnnnnnnnn nnnnnnnnnt tgtggagctg gtggagaatg gcaagaaggt 300  
cacggttggg aaagatgaca tccagaagat gaaccacccc aagttctcca aggtggagga 360  
catggcggan tgaacgtgcc tcaacgaagc ctccgtgcta cacaacctga gggagcggta 420  
cttctcaggg ctaatatata cgtactctgg cctcttctgc gtggtggtca acccctataa 480  
acacctgccc atctactcgg agaagatcgt cgacatgtac 520

<210> 2270

<211> 319

<212> DNA

<213> homo sapiens

<400> 2270

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catcctccag tttcttgatc ttggcctcag ccgtagacctt ctcaagttgc agcttctgcc      60
tggcagcttc ctctcctcc agctgttctt caaggtccag catctgctgg gccatcttct      120
tcctttcagc ctgtagctgc tggccctgt ctctcctc ctccaggcgg gcctccatct      180
catgcagtat ctctccagc tctgcttct tggccgccag ccgcaccgc atctcctcag      240
cctctgcata cagctctgtc tctgcctgca gctgttctg tagcaggttc ttctcctcgg      300
gtcagctgcg agtgcttct                                     319
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<210> 2271

<211> 382

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (56) .. (56)

<223> n=unknown

<220>

<221> misc\_feature

<222> (174) .. (186)

<223> n=unknown

<220>

<221> misc\_feature

<222> (311) .. (377)

<223> n=unknown

<400> 2271

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gccacaggac tgctgctcct cctcagtgtc cagccctggg ctgagagtgg aaaggtgttg      120
gtggtgccca ctgatggcag cccctggctc agcatgcggg aggccttgcg ggantccatg      180
ccagangcca ccaggcggtg gtcttcaccc cagaggtgaa tatgcacatc aaagaagaga      240
aatttttcac cctgacagcc tatgtgttgc catggacca gaaggaattt gatcgcgtta      300
cgtgggctac ntcaaggnt ctttgaaaca gaacatcttc tgaagagata ttctagaagt      360
atggcaattt atgaacnatg ta                                              382
```

<210> 2272

<211> 311

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (147) .. (147)

<223> n=unknown

<400> 2272

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tcagaaaaaa agtaaacttg cccagcactt catagctgta ttttgggttt ttatcaaatt      60
cagctccatt tgacataagc aatgattatc ttctcaaata caccaccac caatttcata      120
gcatcattct ttttcccaa agcaagnaat catatgctgt tctcagtgca ctccaagcca      180
ttcattcatt tcacctacac tctaaaggta caaagcttcc cttctttaaa cacacaaggt      240
ggcacctatg aagcaggaca gagatgagga ctgaccatta ttggttaagg atcaattgca      300
accatctgca g                                                            311
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<210> 2273

<211> 355

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (335)..(335)

<223> n=unknown

<400> 2273  
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tcctggcatc tcaatgcacg tgggaagcta cctgcattaa gtcaggactg agcacacagg 120  
tgaactccag aaagaagaag ctatggccgc agtgattctg gagagcatct ttctgaagcg 180  
atcccaacag aaaaagaaaa catcacctct aaacttcaag aagcgctgt ttctcttgac 240  
cgtgcacaaa ctctcctact atgagtatga ctttgaacgt gggagaagag gcagtaagaa 300  
gggtcaatag atgttgagaa gatcacttgt gttgnaacag tggttcctga aaaaa 355

<210> 2274

<211> 469

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (213)..(213)

<223> n=unknown

<220>

<221> misc\_feature

<222> (420)..(420)

<223> n=unknown

<400> 2274  
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ccaaatgatg gccccatgcc aggagcagtc ccattgggaa gcacagtccc ttctgttcca	120
aatccagaat ggccactgaa agacccccacc attttcttgt gggtaggtagg ggggtgggag	180
tgagtgactg ctctgattcc caccacggca ganttcattg agctgaggct ggagatattt	240
gatgggctca gcaactggggc agaggcaagc ctaacttata gtactttcta gataaaattg	300
aatgatggc accagcagcc cccctcaacc atgtatgata tatcttccac tgctacttcc	360
accccatcag ccctttgtcc taggccaatc cttctaaggt cccaccaggt ctcggtgaan	420
gaactgcttt gactccaggt attccatggc ttcacagaca tccttgac	469

<210> 2275

<211> 594

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (69)..(69)

<223> n=unknown

<400> 2275

gcagcttctc ctctcctgc tactctggct cccagatata agtggagaac cagtgatgac	60
gcagcacna ggcacctgt ctgtgtctcc gggggagaga gccacctct cctgcagggc	120
cagtcagagt attagcacca acttggcctg gtaccagcag agacctggcc aggtcccaa	180
gctactcatc tacggttcat ccaccagggc cactgggatc ccagccaggt tcagtggcag	240
tgggtctggg acagacttca ctctcaccat cagcagcctg cagtccgaag attttggcat	300
ttattactgt caggagtata atgtctggcc tccgcaacc gccgctttcg gccctgggac	360
cagagtggat atcaagcgaa ctgtggctgc accatctgtc ttcattctcc cgccatctga	420
tgagcagttg aaatctggaa ctgcctctgt tgtgtgctg ctgaataact tctatcccag	480
agaggccaaa gtacagtgga aggtggataa cgcctccaat cgggtaactc ccaggagagt	540
gtcacagagc aggacagcaa ggacagcact acagcctcag cagcacctga cgct	594

<210> 2276

<211> 509

<212> DNA

<213> homo sapiens

<400> 2276

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aaagatgagc tggaggaccg caataggggt aggtcccctg tggaaaaagg gtcagaggcc 60
aaaggatggg aggggggtcag gctggaactg aggagcaggt gggggcactt ctccctctaa 120
cactctcccc tgttgaagct ctttgtgacg ggcgagctca ggcctgatg ggtgacttcg 180
caggcgtaga gtttgtgttt ctgtagtct gctttgctca gcgtcagggt gctgctgagg 240
ctgtaggtgc tgtccttgct gtctgctct gtgacactct cctgggagtt acccgattgg 300
agggcgttat ccaccttcca ctgtactttg gcctctctgg gatagaagtt attcagcagg 360
cacacaacag aggcagttcc agatttcaac tgctcatcag atggcgggaa gatgaagaca 420
gatggtgcag ccacagttcg cttgatatcc actctgggtcc cagggccgaa agcggcggtt 480
cgcgaggaggcc agacattata ctccctgac 509
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<210> 2277

<211> 119

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (28)..(28)

<223> n=unknown

<400> 2277

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tttgtagcaa cagaatcgct aaaataanag gtgacagtag acgatatata gtatgatctc 60
agtaaataat tggttagggt tgtgaagtag agggatttga aagaccatgt tctgggtggt 119
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<210> 2278

<211> 344

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (17)..(17)

<223> n=unknown

<220>

<221> misc\_feature

<222> (227)..(316)

<223> n=unknown

<400> .2278

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tctgagaagc tacttgtcaa tattataact ggatattaca tataattttg gcatatcaaa      120
aatatttaca ttgcagccaa cacatatggt caatgaatac aaaaattatt tataaatgca      180
catatattta caatgacatc cctgggcaat agggacaaaa aaaaaanttc acaagantac      240
aaaaatcttt gacctggtac cagttggtca agcctgggga ttcttgccaa agaccttgaa      300
tatcaaagcc ccagtnntcaa ctatctgcct gaaaaccact gaag                        344
```

<210> 2279

<211> 471

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (195)..(202)

<223> n=unknown

<220>

<221> misc\_feature

<222> (466) .. (466)

<223> n=unknown

<400> 2279

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aggagcttca agccaacaag gccacactgg tgtgttctcat aagtgacttc taccggggag      120
ccgtgacagt ggcttgaag gcagatagca gccccgtcaa ggcgaggagt gagaccacca      180
caccctccaa acaangcanc ancaagtacg cggccagcag ctacctgagc ctgacgcctg      240
agcagtggaa gtcccacaaa agctacagct gccagggtcac gcatgaaggg agcaccgagg      300
agaagacagt ggccccctac agaatgttca taggttctca accctcacc cccaccacgg      360
gagactagag ctgcaggatc ccaggggagg ggtctctcct cccaccccaa ggcatcaagc      420
ccttctccct gcaactcaata aaccctcaat aaatattctc attgtnaatc a      471
```

<210> 2280

<211> 437

<212> DNA

<213> homo sapiens

<400> 2280

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gcagggagaa gggcttgatg ccttgggggtg ggaggagaga cccctcccct gggatcctgc      60
agctctagtc tcccgtggtg ggggggtgagg gttgagaacc tatgaacatt ctgtaggggc      120
cactgtcttc tccacggtgc tcccttcatg cgtgacctgg cagctgtagc ttttgtggga      180
cttccactgc tcaggcgtca ggctcaggta gctgctggcc gcgtacttgt tggtgctttg      240
tttgaggagg gtggtggtct ccaactccgc cttgacgggg ctgctatctg ccttccaggc      300
cactgtcacg gctcccgggt agaagtcact tatgagacac accagtgtgg ccttgttggc      360
ttgaagctcc tcagaggagg gcgggaacag agtgaccgag ggggcagcct tgggctgacc      420
gagggggcag cctcgag      437
```

<210> 2281

<211> 503

<212> DNA

<213> homo sapiens

<400> 2281  
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 gccctgctt ggaccggcat gtggcctatg gcggtattc taccccgag gatcggagac 120  
 ccacactgtc ccggcagagc agtgccctctg gctaccaggc tccttcacg cctccttcc 180  
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 ccgcagcctt ccggcaaggg agcccaacac cagccttgcc agagaagcga aggatgtcag 300  
 tgggagaccg ggcaggcagc ctccccaact atgccaccat caatgggaag gtgtcttcgc 360  
 ctgtcgccag cggatgtcca gtcccagcgg gggcagcacc gtctccttct cccacactct 420  
 gcccgacttc tccaagtact ccatgccaga caacagcccg gagacgcggg ctaaagtga 480  
 gtttgtccag gacacttcta agt 503

<210> 2282

<211> 474

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (405)..(464)

<223> n=unknown

<400> 2282  
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 tcaaaaccct aggtacttct ggtttcagca agtaaattgg atgtatttac agagaagaaa 120  
 gggggaaagg atgaaggaag aggccaaagag aggaccattg tatacacaat atgtaacatc 180  
 taaaattctt gaattatgtc agtcaactct tgtattattt tcatatcttg ttgatttttt 240  
 tcttatgtaa ttgaataaaa ccagagagtt caggcttagg aacaactgaa tttctaaata 300  
 actgttttct tttccaaaaa gtagtatgta tacttcatac agtattgttt attgagtaat 360  
 ccaatttctc catagatctg atatcccagt ttattatccc taggnatata gttagggttt 420  
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<210> 2283  
 <211> 455  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (341)..(424)  
 <223> n=unknown

<400> 2283  
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 aataaacttc atatatgatg atgaaggaga tgtgtgtata ggatatacat gataaaatga 120  
 aaaatattta cattgaatca ttctcgacat gatgtagaaa aatactgcac tttcaagagc 180  
 aaggcgaagt gaacacagag gaataacata aaacctgaat tctattcttc tttctattgc 240  
 caaagccttc acccatcaag tgggtattatt ttttttatag gccatactag taagatgaaa 300  
 gaagcattaa agcatagtac ttgtaattta acaattctgg ngtggttaact ctgaatagtt 360  
 tagccgtgca ttttaagggg gatttgatgg aagactgctt tcttttgntc tccaaagggg 420  
 cagnactaag tcacaaattc atgatcttta aaaaa 455

<210> 2284  
 <211> 407  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (354)..(354)  
 <223> n=unknown

<400> 2284  
 cccgtgaagt cttcagctcc tgcagctctg aagtgggttct gagcggggat gatgaggagt 60

accagcgc	cat	ctacaccacg	aagatcaagc	cacggctgaa	gtcgggaagat	ggagtgggaag	120
gagacctc	gg	gagacccag	agccgtacca	tcacagt	gac	cagaaggggc	180
acggcctaca	ctgtggat	gt	gactggccgg	gaaggagcca	aggacataga	catcagtagc	240
cctgaattca	agatcaagat	tccaagacat	gaactgactg	aaatctccaa	tgtggatgtg	gagacccagt	300
ctgggaagac	cgtgatcaga	ctgccctcgg	gctcgggggc	agcctctccg	acangctctg		360
ctgtggatat	ccgagcaggg	gccatttctg	ctttcaggac	cagagct			407

<210> 2285

<211> 427

<212> DNA

<213> homo sapiens

<400> 2285

ccagagatgg	gccctgtacc	tctactgccc	tacccccaa	agaagatgaa	atgtccactg	60
ctggaacttg	gacccctcct	ctgccacca	agtccaagcc	ctttgcattg	acattgacac	120
ctgagcctcc	cacctttatc	ccaggcatgg	tgacctggag	cttcgagtgg	ccagcacctt	180
ggagctctgg	tctgaagca	gaaatggccc	ctgctcggat	atccacagca	gagcctgtcg	240
gagaggctgc	ccccgagccc	gagggcagtc	tgatcacggc	cttcccagac	tgggtctcca	300
catccacatt	ggagatttca	gtcagttcat	gtcttggaa	cttgatcttg	aattcagggc	360
tactgatgtc	tatgtccttg	gctccttccc	ggccagtcac	atccacagt	taggccgtga	420
cccttct						427

<210> 2286

<211> 126

<212> DNA

<213> homo sapiens

<400> 2286

cacaaagtgt	ggcattacag	gcatgaacca	ctgcacctg	ccggccctgg	ttttctctc	60
gcctcaaaac	ctcattgctg	agggaggtga	aaaccctaac	agctcccaag	ccccagttcc	120
actgca						126

<210> 2287

<211> 226

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (24)..(223)

<223> n=unknown

<400> 2287

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gcgggaatgg ggtggggggca ggccgagcct gggctctggg ggctttgctg ggggagcttc 180

tggtcctggg ggtaccact tgtnagggag tggggggaca gcngga 226

<210> 2288

<211> 233

<212> DNA

<213> homo sapiens

<400> 2288

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cagactccac tctccttgtc taccacccct ggagagcagg cctccatgtc ctgcaggtct 120

agtcagagcc tctgcatag tgatggatac acctatttct attggtttct gcagaaagcc 180

aggccagtct ccacagctcc tgatctatga agttccaacc ggtttctgga gtg 233

<210> 2289

<211> 643

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (632)..(632)

<223> n=unknown

<400> 2289

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ggggtaggtc ccctgtggaa aaaaggggtca gaggccaaag gatgggaggg ggtcaggctg    120
gaactgagga gcagggtgggg gcacttctcc ctctaact ctccccctgtt gaagctcttt    180
gtgacgggcg agctcaggcc ctgatgggtg acttcgcagg cgtagagttt gtgtttctcg    240
tagtctgctt tgctcagcgt caggggtgctg ctgaggctgt aggtgctgtc cttgctgtcc    300
tgctctgtga cactctcctg ggagttaccc gattggaggg cgttatccac cttccactgt    360
actttggcct ctctgggata gaagttattc agcaggcaca caacagaggc agttccagat    420
ttcaactgct catcagatgg cgggaagatg aagacagatg gtgcagccac agttcgttta    480
atctccagtc gtgtctccag ggtcttgtgc atcttgcatt cagtaataaa ctccaacatc    540
ctcagcctcc acccggtga ttttcagtgt gaaatctgtc cctgaaccg ctgccacaga    600
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<210> 2290

<211> 536

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (57)..(57)

<223> n=unknown

<220>

<221> misc\_feature

<222> (452)..(474)

<223> n=unknown

<400> 2290  
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 tccagagatc agagaagaag gaacacagcc tgccctgggt atatggagaa attgaggctg 180  
 tagaggagag gggctggggc aggatacctg tgaaaggtga cttgggaggg ctcctaggaa 240  
 ggcacagagc tgtctgctct ccacagggca tgagtggaaa ggatggggaa agaagaggag 300  
 agaaccccggtgtggaccgga tggccacact gtgaaccctc ccagagactt tagacagaga 360  
 gaggggctcc acaacacccc ggtattctgt ctgccctctc tcacccctt cctgtccac 420  
 acaggtcagc ccaaggccaa cccactgtc antctgttcc cgcctctc tgangagctc 480  
 caagccaaca aaggcacact agtgtgtctg atcagtgact tctaccggg agctgt 536

<210> 2291

<211> 442

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (438)..(438)

<223> n=unknown

<400> 2291  
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 gccactgtct tctccacggt gctcccttca tgcgtgacct ggcagctgta gcttctgtgg 180  
 gacttccact gctcgggctg caggctcagg tagctgctgg ccgcgtactt gttgttgctc 240  
 tgtttgagg gtttggtggt ctccactccc gccttgacgg ggctgccatc tgccctccag 300  
 gccactgtca cagctcccgg gtagaagtca ctgatcagac aactagtgt ggccttggtg 360  
 gcttgagct cctcagagga gggcggaac agagtgacag tgggggtggc cttgggctga 420  
 cctgtgtgga cagggaangg gg 442



<210> 2292  
<211> 473  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (228)..(286)  
<223> n=unknown

<220>  
<221> misc\_feature  
<222> (464)..(469)  
<223> n=unknown

<400> 2292  
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aaacgtgaat ggtacattca tcatccaccc agactcgggc aacctcaccg tggccaggag 180  
tgtccccagc cccatgacct tcctttctgct ggtgaagggc caacaggncg accttgcccc 240  
ctactcagtg acccagggtca ccgtggaggc tgtggctgcn gccggnagcc cgcctccgctt 300  
ccccagagc ctgtatcgtg gcaccgtggc gcgtggcgtg gagcgggcgt tgtgggtcaag 360  
gatgcagctg ccccttctca gcctctgagg atccaggctc aggacccgga gtctcggacc 420  
tcaactcggc cataacatat cgaattacca accactcaca tttnggatng agg 473

<210> 2293  
<211> 231  
<212> DNA  
<213> homo sapiens

<220>

<221> misc\_feature

<222> (30)..(222)

<223> n=unknown

<400> 2293

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aggagtcac accaccggnc gcacgttagg gnccccacc cctccccgt cctcncct 120

catcncgt nccggnttca ctngtgccat ccacgtncag nnttntnncg ntganancna 180

ccacgtctnc ntccgtcccg atgtctctc caaaccagac anccttgta c 231

<210> 2294

<211> 362

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (316)..(337)

<223> n=unknown

<400> 2294

atcacctaaa aagctgctac caagacagcc acgaagatcc taccaaaatg aagcgcttcc 60

tcttctctct actcaccatc agcctcctgg ttatggtaca gatacaaact ggactctcag 120

gacaaaacga caccagccaa accagcagcc cctcagcatc cagcaacata agcggaggca 180

ttttcctttt ctctgtggcc aatgccataa tccacctctt ctgcttcagt tgaggtgaca 240

cgtctcagcc ttagccctgt gccccctgaa acagctgcca ccatcactcg caagagaatc 300

ccctccatct ttgggngggg ttgatgncag anaccancag gttgtagaag ttgacaggca 360

gt 362

<210> 2295

<211> 49

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(49)

<223> n=unknown

<400> 2295

agcnnggana ctacaatcaa atgccccctt attntggctg ttgccccn

49

<210> 2296

<211> 495

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (39)..(479)

<223> n=unknown

<400> 2296

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cacgccccct ccctgtctcc caccgatgat tggcgcacgg aactccgcct tgggtttgga 120

aggctcgcnt gggagctcat acctggctgg ggccgaggat tnctgttcc ggggctaggg 180

agcgctttct cccgggaacc gcggctgtga cccaagtggc ccggaccagt ttggggctgc 240

gtnngcctgc ctcaagcaac caggtacgta ggtcggcggc ccagctcggc gctgcggtgg 300

gagccggagg gcgacagtca gagccggggg gccagcngga cgcgaccgcc agatccactt 360

aggaccccgt cgttctgcga anggccacgt ctgantcccg gggcctcctc gtgctgcagn 420

tgtcgcctta ggacctcggc caggataccc tctgccatgc tcttgtgctg nccgtgatna 480

ccgactggcc cttgt 495

<210> 2297

<211> 526

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (463)..(509)

<223> n=unknown

<400> 2297

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agtagtagca ggtagatgat tagtagcatg agtggtgaaa tgctgcatct aagtgcctgt 120
cactttgctc ccaggggaat atcatgcagc ccaggaatag tgtagactg ggaaggactg 180
tggcaggaac agtcactgtc tctctcatt ttggtgagga atgggtcca cataatggag 240
agctcaacag aagcatccag tcttgttctg aatggagcag gtcagtggca gcagcctctt 300
gctttcattt acccctttgg gctgcttgcc taaagtctct ctctcttcac ctccccaggc 360
cttttgcaa gaggaagac actgccattc ctggctcttt ccctggatca gtgtctgac 420
tggtggaggt agcttgtggg gctgacttcc tccagttccg gcngatcctg gcacttttct 480
tcctagagtg cagatactgc tcaactggag ctgtctctgt ggcact 526
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<210> 2298

<211> 204

<212> DNA

<213> homo sapiens

<400> 2298

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tggaagaata aaacagccca ttagccaaag caacattaac aacaaagcaa tcctggaggc 60
ctcacattac ctggcttgta ctacaaagct acagtaatcc atattacatg gcttgcata 120
aaaatacaca tgtagaccaa tagaaagaag agaaagccct gaaataagtt tacatttcta 180
cacccaactt ttttctgaca aagt 204
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<210> 2299

<211> 202

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (49)..(49)

<223> n=unknown

<400> 2299

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ttctattggc ctacatgtgt atttttgtag caagccatgt aatatggatt actgtagctt 120  
tgtagtacia gccaggaat gtgaggcctc caggattgct ttgttgtaa tggtgctttg 180  
gctaattggc tgttttatct tt 202

<210> 2300

<211> 409

<212> DNA

<213> homo sapiens

<400> 2300

gcggccgcgg cggcagcaga cccagagtc agaaggagtg agaaccctga cccctaattc 60  
cactgcatcc agccaatagg agcccagcca ccatggcgga gtgcaggagg tgcagatcac 120  
agaggagaag cactgtttgc caggacagac gcctgaggcg gccaaagactc actctgtgga 180  
gacaccatac ggctctgtca ctttactgt ctatggcacc cccaaccaca aacgcccagc 240  
gacccctacc taccaegatg tgggactcaa ctataaatct tgcttcagc cactgtttca 300  
gttcgaggac atgcaggaaa tcattcagaa ctttgtgcgg gttcatgtgg atgccctgga 360  
atggaagagg gagccctgtg ttcccttttg gatatcagta acccatctc 409

<210> 2301

<211> 450

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (15)..(433)

<223> n=unknown

<400> 2301

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ggmntacana gaactatcct tccncnctg ctcnanaact gctggccang accctgcccg      120
gggangntgc ntgcncaccc nctgnctgc tgtactagtg cagccaaacg gnnccaggcc      180
ccttctgtt gcccaggac caatccttcc ccanactcgt tcaactgnccg ccaantccca      240
ttccaacttc ctttttacac tggnggtttc tatcacatnc tgagggccac taaccnacca      300
gcaagtctcc ccctgacaca cattcacgta ggtcncatac ncttcagagt cctaaagggt      360
taatnagaag gncanctcag ctttggtgaa tggagcncca gccccaaatn ccctcccctt      420
gcaaatatgg ganaagtagg gagagtctga      450
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<210> 2302

<211> 436

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (108)..(430)

<223> n=unknown

<400> 2302

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agccggagcc tccgcgagtg aaggaagacg aatgcgtgac ccgaccggct gtggtgttcc      60
agtccccact gaccagtagg agcagcaggg cgtcggcttg tgaggtanan ggggtggggag      120
tctggcggcg ganagcagct nntngttgng aggggggttcg gangagaatg gngagggggc      180
ggaatctctg ggtaccgcag acgtgagana acccctgcng cctaangggc cgcacccctt      240
```

tcttcccaaa actttctcct tgtccctact gtgccgagac gttaaatttat ttgtatcttt	300
ntatttttct ctttggaana agtaaaancct gtgatgtgtc atgtgactga nctgtctagg	360
angganggtg aagatgtggg gggttcttag ggccaccga aaggtgcagt ggtgaacaag	420
anggacaggn cagagt	436

<210> 2303

<211> 310

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (299)..(299)

<223> n=unknown

<400> 2303

agcagtcctc aggtgcaacc cctgcgtgg tcctctgtgg cagccttctc tcattcagag	60
ctaaaaagaa aactcagtag aagataatgg caagtcaga ctggggatat gatgacaaaa	120
atgtgctgaa aggtggctct ttctctgaca gctacaggct ctttcagttc cttttcact	180
ggggcagtac aaatgagcat gggtcagaac atacagtga tggagtcaaa tattctgccg	240
agcttcacgt agctcactgg aattctgcaa agtactccag ccttgctgaa gctgcctcna	300
aggctgatgg	310

<210> 2304

<211> 441

<212> DNA

<213> homo sapiens

<400> 2304

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aagcataagc ttatgcttac agattactat ttgctagctt actaattatt atttgaatta	120
agcagtaaga actaaaattt aagtttctta gttttacaga ttgatttgaa ggcagtgtgt	180
cttgctaata ttgaaataaa tttatttctt aaaaattatt attttactgg attatgtcag	240

aagcagggct gtgttcttga ggaaggacaa gtttcttctc agaatcatca aaatgaagct	300
ctcactgttc tgcccttcag aggttgggtt gggcggttgt tgtgctgcat ggggacagcg	360
ttatcacctt caacatttga tagaaggctg cggaattgtg ccagctgctc tgagtgcac	420
tggatgctct ccttacagat g	441

<210> 2305

<211> 289

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (3)..(153)

<223> n=unknown

<400> 2305	
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ggattncccc gccctcccc cccgatggaa ganggaggaa gtgatccgaa aatctgggct	120
aagtgtggc aagancgatg tctactactt cantccaagt ggtaagaagt tcagaagcaa	180
gcctcagttg gcaagggtacc tgggaaatac tggtgatctc agcagttttg acttcagaac	240
tggaaagatg atgcctagta aattacggaa gaaccaaaca gagactgcg	289

<210> 2306

<211> 600

<212> DNA

<213> homo sapiens

<400> 2306	
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agtcacaata atctttaact gggaaattta tttagaattc ctgatctggt cttattaaaa	120
ctgtggggga aacaaatggt ttacgtaagt gctacatttc cagtagattg cacctggcat	180
caaaagctca gttcatctt agggtcctgc ttgatattac aaaagactaa ttttaagtcc	240



taggactcaa aataaacatg attttttgaa taatagatat atacatcaaa aatacatcta	300
aaaaggcatt ggtagtgct attaaaaagc tctatgtgct cgggtacatt ttttttctta	360
caggcaaaag ccagtggaaa ctttttggtt caatttctag gaattttctc ttggggaaag	420
tcggtcgaaa gttacctgat catattctta ggcttcatct ccactgtcca tttcaatata	480
catctcttct gtatcagcag ctgcgcgaaa gatgtctgcc atcagtgtt cttccaattt	540
tcttgcgtac ttgctgtacc tcgctcttcc tggtttctg atggtcttcc atctggtgga	600

<210> 2307

<211> 426

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (43)..(43)

<223> n=unknown

<220>

<221> misc\_feature

<222> (190)..(416)

<223> n=unknown

<400> 2307

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ggcctggggg cacatcgagg gagactcaac atccaggcgg gcattaatga aaatgatttt	180
tatgacggan cgtgggtgagc gggaagaaat gacctccagc agtggattga agtggatgct	240
cggcgccctga ccagattcac tgggtgtcatc atcnaggag gaactccctc tggctgagtg	300
actgggtgac atcctataag gtcattggtga ncaatgacaa ncaacagtggt gtcactgtta	360
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ttctcc	426

<210> 2308  
 <211> 443  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (65)..(98)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (212)..(420)  
 <223> n=unknown

<400> 2308  
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 ctaaccgccc gcttctcatc ttgtcctggg gcagggacct caggatggaa accagcagcc 180  
 tgcaccgccc gagaaggctg gctgggtccg gnaattctgc gggaaangga ttttcaggga 240  
 gatttgga aaaccgntatg tgggtgctgaa aggggaccag ctctacatct ctgagaagga 300  
 ggtaaaanat gaganacata ttcaagaggt atttgacctg agtgactatg agaagtgtta 360  
 agagctccgg aagtccaaga gccagggagc aagctnatca tagcgagttt antcttgccn 420  
 actccaaaca gcccggtaac acg 443

<210> 2309  
 <211> 457  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature

<222> (117)..(117)

<223> n=unknown

<400> 2309

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cagatgaaga acatgacctc aaggagcttc ctgtcaatga gaagaccaag ctgacgcctg    180
gcaaagatat taaagaggag cctgaaactg ttccttggac atcttatgaa tgtcagaaaa    240
taccttttgg agggttagaa gatcagggga catggttggt cacatttgct gccacggaac    300
accgccagtc ttcacttggg aacagaatcc acgccttggt aagagatcat ccctaagcag    360
gagagaagct actaaaagat acaaagtaaa tggatacaat ttaagctttc cttgagtcaa    420
caatcttctc actaaagatc caatttacta caccgtg                                457
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<210> 2310

<211> 275

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (108)..(226)

<223> n=unknown

<400> 2310

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gaaccagaaa atcagtaaata aaagcctctg aacagaataa atactggngt ataatatcaa    120
agaatccatg taaagatacg nattttactg ataggagctc ctgtctggta gtccttagag    180
tgtgttgenc ttactatac aagattgttt tccaaacttc agtggntgag aagtagcaga    240
ttggccttgt ttattgcagt agtttttgag gattt                                275
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<210> 2311

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (377)..(491)

<223> n=unknown

<400> 2311

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ccgccaaaga ccccggtccgg taggtgagtg gctcactttg agggcaagcc ttctcggatc      120
gaggcttctt catggccgct cagatcgtga gcggccgggg ctgctctctt tgcggaggat      180
ggcgtctaata gagcgcagtt gattcgagga agtactagcc ggacatcatg agtggctgtc      240
gggtattcat cgggagacta aatccagcgg ccaggagagaa ggacgtggaa agattcttca      300
agggatatgg acggataaga gatattgatc tgaaaagagg ctttggtttt gtggaatttg      360
aggatccaag ggatgcngat gatgctgtgt atgagcttga tggaaaagaa ctctgtagtg      420
aaagggttac tattgaacat gctagggctc ggtcacgagg tggaagangt agaagacgat      480
actctgaccg ntttagtag                                     499
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<210> 2312

<211> 486

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (332)..(468)

<223> n=unknown

<400> 2312

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aatgtgtctg tccagcagct gttaaagagt ggaggacacc cttgacccta acaaggaaaa      60
```

caaattaagc ctttatgtac aagcaaattt agagctcttt taagtgtcca aagctattaa	120
ttagtttaat taaggcatta aactaattct gaattaacat tttataacc aagaactaaa	180
atgttcaaat ttttttctag tacaaaaaaaa ttaaatttgc tttagttata aaagaggctc	240
tgtcaatata cacaaactat atacttcaga cattcacaaa aatgtgagca gaaggcttat	300
caaaagacat ttaatacaat tagttttcaa cnnccccttg gtgggtccaca tctacaaaga	360
tatccanccc ancccaaccc cccttccaaa tcccaccccc acagaaaagc acatacttac	420
cagaattttt agcaagtatg gtttggggaat ttttgtgggt ttgggtntta aaaaaaaagg	480
cccccc	486

<210> 2313

<211> 369

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (95)..(237)

<223> n=unknown

<400> 2313	
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tgtgaagtgc cccctcccat gctcccccaa ccagnccggg agannnnnnn nnnnnnnnnn	120
nnnnnnnnnc atgggtttgt gtgcatttgc atttgttggg gcatggggaa gtctcagatg	180
acgagggtccc agctcaagac atgtggaggg gaattgtcag tacacacctg ctcccanccc	240
tcaagacctc tctcctctat ggcttatttg agatcaaata aaggccccag ggtcaggcag	300
cctgtggcca atgaataggg caaggctaag ggtgggattc ctggaatcca ggcttagttc	360
tagatcgcg	369

<210> 2314

<211> 372

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(343)

<223> n=unknown

<400> 2314

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ctctcgggca ctgctgccat gaatgccttc ctgctctccg cactgngcct ccttgggggcc 60
tgggcccgcct tggcaggagg ggtcaccgng cagaatttgc gggntccaga gtgtccagca 120
tcacggagcc aagccaggac gnggggcctg aactcngccc ctcacagtgc cccactgtgg 180
atcgccctggc tcccatatgc cacgaacact gcctgangga aatttctcct tttctctgga 240
gtcagtgaag aagctcaaag acctccagga gccccaggag cccagggntg ggaaactcag 300
gaatttgcac ccatccctgg tgaacctgng gntcccatcc tcngtagcaa cccggaattt 360
ccagaagaac tc 372
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<210> 2315

<211> 471

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (384)..(459)

<223> n=unknown

<400> 2315

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cccacctaca acccggtggt ggtaaatgga aatcccttct atgagtacgg gcaccggcctt 120
cccctacaga tggtcaccca cctgcaagtg gatggggatc tgcaacttca atcaatcaac 180
ttcatcggag gccagccctt ccggccccag ggacccccga tgatgccacc ttacctgta 240
agtacttgct gataggtgag ggtcttcctc cctagtgggg tccttcagcc cctctcacc 300
ttcctgcctt ctgtccatcg ttcagggtcc cggacattgc catcaacagc tgaacagcct 360
```

gcccgtgagt gggagggctg ggangggccc gggatgaagag tgggaatggt gagaatgggg 420  
 taaggggagt aagaggggtt gaagccaagg tgtactaanc cagcactaga g 471

<210> 2316

<211> 243

<212> DNA

<213> homo sapiens

<400> 2316  
 aggggataat tctgttttcc catgagttat ggccccagga atagattaga tctggacata 60  
 ggacaagggtg acatcacctt ggatttccaa tgtgtccacc ctctggaagg ccgagaggcg 120  
 atgggcaaag tcaaagaggt gctggccatt ggcgtaaacc ttgaagcgat ccaagccaca 180  
 gcgaatggac agatcaaaga actgtccggg accaaatggg ttgtgggtga tcttcttctc 240  
 ctc 243

<210> 2317

<211> 434

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (244) .. (414)

<223> n=unknown

<400> 2317  
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 attcagcctg tggttgaact ctctagccca gaggggtgtg gttttagct ctccggcctg 120  
 ctgttgact taggctgtga cccacagaag gacgccagaa agtactcaag acattcacgg 180  
 tgccccggtc agcactcgcc atgacgaaga cttctacatg catataccac ttccttggtc 240  
 tganctggta tacttttctc aattattaca tctcacagga aggaaaanac gaggtgaaac 300  
 ccaaaatctt ggcaaagtgt gcaaggtgga aatatatgac gctgcttaat ctgctcntgc 360  
 agaccatttt ctacgggggtc acctgcctgg atgatgtgct gaaaagaacc aaanggggaa 420

aagacattaa gttc

434

<210> 2318

<211> 377

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (27) .. (330)

<223> n=unknown

<400> 2318

gtaggagggg	cagagagtga	tacttanatt	naataagagg	ttcgtgaagg	tagcttaact	60
tganaactct	tggttttttg	aaaggttgac	tgacatgcn	atnnacaact	cctgctatct	120
cagaattaat	tatcttngac	cttcgtggag	gatggtctct	ggttaaaatc	tgcccaaaga	180
nactcacata	aacgtggtgt	tagagaacat	ctagagagag	agagaggaac	ttagagtcac	240
ttaaactctt	cagtttacag	agaaggatgc	tgaggnccta	gatgagaagt	tacctgcaaa	300
aggcaaaagg	gttacttagt	gtcagancn	agggcaatga	cttctctctc	ccagatctcc	360
tagccactgg	gcctggg					377

<210> 2319

<211> 303

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2) .. (282)

<223> n=unknown

<400> 2319



tnatgtccaa ggtaagntat taaaangcan gttacttcca aatcgactg aaggaaaang	60
ttaagaataa tacatgatca cagaaatgca taccactgtc tgtaaaccce acaaattca	120
ntgttctctt ttggattnat ttagcctgat gtatttttna ttcaattttt atggatgatg	180
gcaantcatt cttggtaaatt gtaantcaaa catgattgat ttnaaacttc atggaanttg	240
nagaaaatta tggacntttt tggatgagaaa gaacaatagt cnaaactcac atggatagag	300
tgt	303

<210> 2320

<211> 491

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (314)..(314)

<223> n=unknown

<400> 2320

atataacccat tttgttataa attttgcatt ttccacatga aaaaaatcac agtaggcaca	60
tactagaagc aaaatatgtc agacaaaaat atcctaaaga tgtttctgtt atcaaacttt	120
tacaattttt ccaagacgtt tttgaggttt gggaaaaagt ctggggcatt tttggcaaaa	180
aacaaacaca ctctatccat gtgagttttg actattgttc tttctcacca aaaatgtcca	240
taattttcta caaattccat gaagttttta atcaatcatg tttgatttac atttaccag	300
aatgatttgc ccancacccat aaaaattgaa ttaaaaatac atcaggctaa ataaatccaa	360
aagagaacag tgaattttgt tgggtttaca gacagtggta tgcatttctg gtgatcatgt	420
atttattctt aaccttttcc ttcagtgcga tttggaagta acctgccttt taatagctta	480
ccttggacat c	491

<210> 2321

<211> 430

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (93)..(343)

<223> n=unknown

<400> 2321

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gggaactaga gccaaaggcga gagacccgtg ccagccccga ggctcccggg gcccattgggc      60
ccaggcatcg ggctggtaca gggccccggg gcnctctcag cccatctgtn anccctcccc      120
cccaacaccc agatgtcccg tcttggcagt gctgtcccgg actgccacat taatgctcaa      180
gaacccgcca gctggggcccn nnggccggtg gggctcctgc agagcantgg acaaaggcga      240
gggangggagg gaaggggatc ctaagcacc ctccttcctt ggccttagga ggcagacatg      300
cccgatgaga tcaacattga tgaattgttg gagttagaga gtnaagagga gagaagccgg      360
aaaatccagg gactcctgaa gtcattgtgg aaacctgtcg aggacttcat ccaggagctg      420
ctggcaaagc                                     430
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<210> 2322

<211> 402

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (32)..(33)

<223> n=unknown

<220>

<221> misc\_feature

<222> (286)..(392)

<223> n=unknown

<400> 2322

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agagctgaga ggagaggcag gtgtgtgcag gtgcatcacc tggatcatga ggtcacccct 120  
ctgctggctc ctcccacttc tcattcttggc ctcaagtggcc caaggccagc caacaagacg 180  
accaagaccc gggactgggc ccgggcgcag acccaggccc aggcccaggc ccacaccag 240  
ctttcctcag cctgatgaac cagcagagcc aacagacctg cctccncccc tncctccagg 300  
ccctccatct atcttccctg actgtncocg cgaatgctac tgccccctg atttncatc 360  
tgccctctac tgtgatagcc gcaacctgcg anaggtcct gt 402

<210> 2323

<211> 329

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(319)

<223> n=unknown

<400> 2323

acagaangcc aggagtntgg gcgcgcactg gctgtcanc aactgggngg aaccaaactn 60  
agtccatnna ctctcnnncc ntaggntnta canttatatg aagttccctt nnetgctctc 120  
gagtntcaca agaantnatn caaannggag ntanngantc agnangtatt tannontgac 180  
ttccacgggtg gctcttctgt aanganatgc ttgaacccaa agagagaaca tgcagatcnt 240  
aatcagttca tatttataat cttgggctgg aggcaaatgc atacagttta ccaaatatga 300  
aaaggtgagg tgggcaanna gaaatgccc 329

<210> 2324

<211> 254

<212> DNA

<213> homo sapiens

<400> 2324

ctatctgtct tttgggaaag acagtggcac aagtttcaat gccgtccct tgcaccccaa 60

caccgtgctc cgcttcatca gtggccggtc tggttctctc atcgatgcc a ttggcctgca	120
ctgggatgtt taccctaacta gctgcagcag atgctgagcc tcctctcctt ggcaggggca	180
ctgtgatgag gagtaagaac tcccttatca ctaaccccca tccaaatggc tcaataaaaa	240
aatatgggta aggc	254

<210> 2325

<211> 234

<212> DNA

<213> homo sapiens

<400> 2325

ttagtgataa gggagttctt actcctcatc acagtgcgcc tgccaaggag aggagggtca	60
gcatctgctg cagctagtgg ggtaaaccatc ccagtgcagg ccaatggcat cgatgagaga	120
accagaccgg ccaactgatga agcggagcac ggtgttgggg tgcaaggga cggcattgaa	180
acttgtgcc a ctgtctttcc caaaagacag atagcggccc ttgtctgtca caaa	234

<210> 2326

<211> 466

<212> DNA

<213> homo sapiens

<400> 2326

ctagccggga gctcagccgg gaaagggatc cccaagcggg ccaccgggt gccagatgg	60
aagcagagcc agcagagcct ctgctgcag cagtgaagc ggccaatggg gctgagcaga	120
cccagtgaa caaagcacca gaagggcgga gctctgagcg ctgaggagct gatgactatt	180
gaggatgaag gactcttgga caagatgctg gatcagagca cggactttga agagcgggaag	240
ctcatccggg ctgcacttcg tgagctccga caaaggaaga gagatcagcg ggacaaggag	300
cgggaacggc ggctgcagga ggcacggggc cggccagggg aggggcgcgg caacacagcc	360
actgagacca ccacgaggca cagccagcgg gcagctgatg gctctgctgt cagcactgtt	420
accaagactg agcggcttct ccacttccaa tgattggcac acggaa	466

<210> 2327

<211> 502  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (10)..(85)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (421)..(421)  
 <223> n=unknown

<400> 2327  
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 agagtggggg cggcagcttg ccacnggctg gccatgcggg cgggcaggct agacattctt 120  
 gccgcgcagg cgcagttcgt ggcgtcgcag gtggtttag agcgactgca cataggtgaa 180  
 gacacacttg gggtcaggct tcttgcccat gatcatcatg tcgtccacct ccaccagggg 240  
 cacacagtcc accagcatct ccgcagatga gaaggccacc tcgaagttct ggcgtcgggt 300  
 ctgaggggcta agctgccccat agtcgaaggc ctcagggaag aagttgtgca ccagggcaca 360  
 gaaggccatc ccatcactcc agctggagga gaagttcttg atgtcgacgt gctcgtagcc 420  
 ncgagtcttg gctcgacacc agtccagcag catctgcttg atgctggttg cgttggggac 480  
 cccgaagctg gtggatcgct gc 502

<210> 2328  
 <211> 357  
 <212> DNA  
 <213> homo sapiens

<400> 2328  
 ctcctttgct gcttaataaa ttctgaactt ggtctccatg ctgttttctt gccctccaga 60

gagcacctct atcgccacca cggagcactg gttcactcct gacaccctgg cacttactga	120
cacccccagc ccctgcactg agcccaccca caaaacacca tggcccacgc tgaaaccct	180
ctgcacaggc actccctggc tgtegtctctc tgattcacca ctgcatgtgg gcacgtgtgg	240
ccccatcaaa ccatgaccgc ctctgggtgcc aatccctgac ctcagagcac ttagctgggg	300
ttccaggatc aaacagagtg actggaaagg aagtaggggtg gtgaggtgca ggacagg	357

<210> 2329

<211> 575

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (12)..(12)

<223> n=unknown

<220>

<221> misc\_feature

<222> (336)..(550)

<223> n=unknown

<400> 2329

aaccatagcc tngctggggg tggggctggc cctcacaggt tgttgagttc cagcagggtc	60
tggtccaagg tctggtgaat ctgcacgttc tcctccttgg cactggccaa ggtctctgtg	120
aggggaagca gcaggtgagg gagaagggag acacaagggg gagacgtggg gaggcagggc	180
caggggaagg tgacatatag acatggagtc ggtcaaggaa gacacatgca ttcacggacc	240
tcagggcccc atggcagggg caaacagatg gactgactag gatgagggga acaggacgga	300
cgtggatgcc tcaactcaagg ccttgggggc atagangtgg ggtngggagg gctgagtcac	360
aaactacttt atcctcttct ttagaagggt taangaagtt ggagacagaa ggtaagacaa	420
agactgcgcc aggaaaggaa gggccagaca gacagacttg angtagaaaa cagacctgct	480
gctgcagtga aagcccatg ttgctgatat ccaacatttt tccaagctcc anttccagac	540
cttttgcaan cttcttgccc ctgtcctgca cctca	575

<210> 2330

<211> 440

<212> DNA

<213> homo sapiens

<400> 2330

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cccagtcctg tcctatcact ctaattcgga tttgccatag ccttgagggt atgtcctttt 60
ccattaagta catgtgccag gaaacaagag agagagaaaag taaaggcagt aatgccttct 120
cctattttctc caaagccttg tgtgaactca ccaaacacaa gaaaatcaaa tatataacca 180
atagtgaat gccacacctt tgtccactgt cagggttgtc tacctgtagg atcaggggtct 240
aagcaccttg gtgcttagct agaataccac ctaatccttc tggcaagcct gtcttcagag 300
aaccactag aagcaactag gaaaatcact tgccaaaatc caaggcaatt cctgatggaa 360
aatgcaaaag cacatatatg ttttaatatc tttatgggct ctgttcaagg cagtgtgag 420
agggaggggt tatagcttca 440
```

<210> 2331

<211> 489

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (473)..(473)

<223> n=unknown

<400> 2331

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catggatgag ggaaagtatg cacagtccgt gtcaggggta gaaaaccctg aaagagggtac 120
ctgagtatag agaactccaa gctaatcctc ctggagaaaag cctcttaggc ctaacatgag 180
atcaggtaag caatatagaa taaaaccttt ctcttagccc caaagagatt ccattctgtgt 240
agaagactgg gtgagaagta catttgctg tcttctcct gtccttcctt tttattataa 300
```

gatacattta tagaccccat agaagaaaag ataaatttca gaggctgtta aaagaggcta	360
ggcctaagtt ataatcctcc tcttcacagc ccattttccc caaggggcat ttagcaccag	420
tgcagtttct agctgtaaac aatgccacca gcatgagtga tagtgtcctg tanggtgctc	480
ccacttctc	489

<210> 2332

<211> 405

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (339) .. (339)

<223> n=unknown

<400> 2332	
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caggtgctct accggggcgt ggtctccacc aagtggctgg cggagtccat caggactggc	120
aagctggggc ccggccttcg ggtgctggac gcgtcctggg actcaccagg cacccgagag	180
gcccgaagg agtacctcga gcgccacgta cccgggcgct ctttctttga catagaagag	240
tgccgggaca cggcgtctcc ctacgagatg atgctgccca gcgaggctgg cttcgccgag	300
tatgtggggc gcctgggcat cagcaaccac acgcacgtng tgggtgatga tgggtgaacac	360
ctgggcagct tctatgcttc cccgggtctg gtggatgttc cgtgt	405

<210> 2333

<211> 434

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (397) .. (397)



<223> n=unknown

<400> 2333

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agccttgac agcaattcta aaaacatgtc atctccttca cctaagaggt aagaaccggc      60
tgtaagtcac ggggtcacta aaccggccgc agttacagta agcagaagag gtcacggctc      120
aggccttctc agactttccc tgggacacac ggctctctgg gggggcccg cgaaccact      180
cggaccagga gccatcgta acggccacat caggcttgcc gcagaggtag gcagccaagg      240
ccacgtggca ggcggtgact cccttgccgc acgtggcaat gagaggctgc gagagatcca      300
ccttcttggt ctggaacaga gcacggagct cttctgggcc cttctcgaag ccatactcag      360
tcaggaagtc catgaaaggc atgttgacgg caccacngat atgggcccga gtccagtcct      420
actgcatccg gctc      434
```

<210> 2334

<211> 371

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (335)..(335)

<223> n=unknown

<400> 2334

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gtcacactca cttgtgcctt gagctctggc tcagtctcta ctagttacta ccccagctgg      60
taccagcaga ccccaggcca ggctccacgc aactcatat acgacacaaa cagtcgctct      120
tctgggggtc ctgatcgctt ctctggctcc atccttggga acaaagccgg cctcaccatc      180
acggggggccc aggcagatga tgaatctgat tattattgtg tcctatatag gcgtagtggc      240
tcttgggtgt tcggcggagg gaccaagctg accgtcctag gtcagcccaa ggctgcccc      300
tcggtcactc tgtttccggc ctctctgag gagcntcaag caacaagggc aactgggtgt      360
gtctcataag t      371
```

<210> 2335

<211> 402

<212> DNA

<213> homo sapiens

<400> 2335

```
gggagaaggg cttgatgcct tggggtggga ggagagaccc ctcccctggg atcctgcagc      60
tctagtctcc cgtggtgggg ggtgaggggt gagaacctat gaacattctg tagggggccac      120
tgtcttctcc acggtgctcc cttcatgcgt gacctggcag ctgtagcttt tgtgggactt      180
ccactgctca ggcgtcaggc tcaggtagct gctggccgcg tacttgttgt tgctttgttt      240
ggaggggtgtg gtggtctcca ctcccgctt gacggggctg ctatctgcct tccaggccac      300
tgtcacggct cccgggtaga agtcacttat gagacacacc agtgtggcct tgttggcttg      360
aagctcctca gaggagggcg ggaacagagt gaccgagggg gc                          402
```

<210> 2336

<211> 286

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (160)..(160)

<223> n=unknown

<400> 2336

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aggaaggaaa gggtagggga ggctgagtgt ccacgtggcc tgtggtgaat ccaccaagct      60
ccgtgcctcc tcacaacctt tgcattctgt gttccctctg ccgggaacac cgttttctgcg      120
gctggctcct catcgtctag gcctctcctt gtgccctttn ccccttgga ggccctcccc      180
gagcaccta gttagagtcc caccatgc cccacccag ctgctccgtc acattttcca      240
gatgtatttc ttgcaggac tttttgttct ctgaaattat cttgcc                          286
```

<210> 2337

<211> 125

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(123)

<223> n=unknown

<400> 2337

antagtctcg aggggggatcc ttgcgagAAC ctgttctgac tttagaagca cttcctgtng 60

acaatggagg gccctgcctc atcatactca ggcttgctga tccacatctg ctggaagggtg 120

ganag 125

<210> 2338

<211> 518

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (44)..(49)

<223> n=unknown

<220>

<221> misc\_feature

<222> (342)..(505)

<223> n=unknown

<400> 2338

ccgagccccg tgcttgGcaa cattcccccc aacgatggga tgcngggang ccccatccccg 60

ccaggttttct ttcagccttt tatgtcaccg cgatacgag gcggccccag gcccccgatc 120

agaatgggaa accagcctcc gggaggagtt cctgggacac agccattgct gcccaattct 180

atggatccca cagacaaca aggccacccc aacatgggag gatcaatgca gagaatgaac 240  
cctccccgag gcatggggcc catgggtccc ggcccacaga attacggcag cggcatgaga 300  
ccaccacca actccctcgg ccccgccatg cccgggatta anatgggncc gggagctggc 360  
agaccctggc ccaatcctaa cagtgtctaac tcaattccag attcctcttc atcacctggt 420  
acctatgtng ggacccttgg tgggtggcggg nntccaagga anaccantat gccagtcctc 480  
gcagattcaa caaattccag tgacnacatc tacacaat 518

<210> 2339

<211> 260

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (260)..(260)

<223> n=unknown

<400> 2339

tgctagaagc ttccatttaa aaaaattttc ccccaaaaaa cccccctgaa aacaaataaa 60  
aaaatcccaa caatggtaaa accccaaaca aaaaacaaca aaaaagtgtc atgtacagaa 120  
aaggtccttt ggggaaaggg caaggggtgg gatTTTTtctg gtcactgact tgaaatacat 180  
ttttgagagt tttgtccttc ttgttttatg gaataaaaag tttggccttt ttattgcatg 240  
aaactaaaat tgggaaaggn 260

<210> 2340

<211> 533

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (47)..(47)

<223> n=unknown

<400> 2340

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tatgaagtca tggcccagaa gaaccttcaa gaggccaaag aacagtntga gagacagact    60
gcagttctgc agcaacaggt cacagtgaat actgaagaat taaaaggaac tgagggttcaa    120
ctaacggagc tgagacgcac ctcccagagc cttgagatag aactccagtc ccatctcagc    180
atgaaagagt ctttggagca cactctagag gagaccaagg cccgttacag cagccagtta    240
gccaacctcc agtcgctggt gagctctctg gaggcccaac tgatgcagat tcggagtaac    300
atggaacgcc agaacaacaa ataccatata cttcttgaca taaagactcg acttgaacag    360
gaaattgcta cttaccgccg ccttctggaa ggagaagacg taaaaactac agaatatcag    420
ttaagcacc tggagagag agatataaag aaaaccagga agattaagac agtcgtggca    480
agaagtagtg gatggcaggt cgtgtcatct gaagtcaaga ggtggaagaa ata          533
```

<210> 2341

<211> 395

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (63)..(63)

<223> n=unknown

<220>

<221> misc\_feature

<222> (222)..(376)

<223> n=unknown

<400> 2341

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tcttcaagaa gatgcaaaaa tcagcaacag tacaagtga atattttaa ataggatctga    180
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aacaaaacga attcaatctg atcaaatacca caattaattg angttttcat tttattcaat 240  
 - tgtgaataaaa atagcagana ctgtttcatc caatanacca atgatatnnn cntagngnan 300  
 ntganctgcc tggcttgtgc aagacaagan cagttacctt ctgctgaaag gatgtgagtt 360  
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<210> 2342

<211> 516

<212> DNA

<213> homo sapiens

<400> 2342

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 cagtgccag accaatattg atgtcgtgcc gttcaatgtc gcagaaggga aggaggtcct 180  
 tctagtagtc cataatgagt cccagaatct ttatggctac aactggtaca aaggggaaag 240  
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 cgtcaccac aatgacgcag gattctatac cctacacgtt ataaaagaaa atcttgtgaa 420  
 tgaagaagta accagacaat tctacgtatt ctggagccac ccaaggcctc catcaccagc 480  
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<210> 2343

<211> 254

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (209)..(209)

<223> n=unknown

<400> 2343

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 ttggcaatga cctaagcaat gtcgtggata agctggaacc tgttcttcac gagggacttg 180  
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<210> 2344

<211> 517

<212> DNA

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<223> n=unknown

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 cagatgaggg tttgcagctg ggntttgtgc tgaggattat cgncgacctg ctgaatgaca 300  
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<210> 2345

<211> 443

<212> DNA

<213> homo sapiens

<400> 2345

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gatctgggac agatttcagt ctcaccatca gcagtctgca acctgaagac ttgcaattt      180
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aatctggaac tgcctctggt gtgtgcctgc tgaataactt ctatcccaga gaggccaaag      360
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<210> 2346

<211> 598

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (442)..(502)

<223> n=unknown.

<400> 2346

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gaactgagga gcaggtgggg gcacttctcc ctctaact ctccccgtt gaagctcttt      180
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tgctctgtga cactctctcg ggagttaccc gattggaggg cgttatccac cttccactgt      360
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ttcaactgct catcagatgg cnggaagatg aagacagatg gtgcagccac agttcgtctg      480
atgtccactt tggccccctg gncgaagtat atgggggtact gtgacctgt tgacagtaat      540
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<210> 2347